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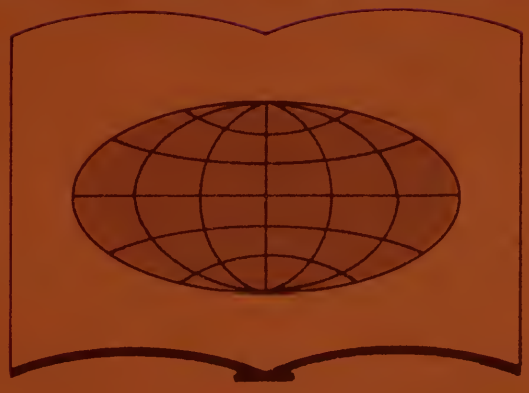

Volume 4 Number 4
FEBRUARY 16, 1968

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These issues of the Pesticides Documentation Bulletin introduces a new computer generated current awareness service. Through the Pesticides Information Center's Update, Publication and Search (PICUPS) system, a categorized bibliographic citation file, accompanied by subject, author, organization and biographical indices will be issued bi-weekly.

All elements of the citations maintained in this mechanized file system are searchable by computer. In addition to the printed subject descriptors appearing in the Bulletin, other subject descriptors are incorporated in the tape file system as machine searchable but non-printable items. In the early issues some of these subject terms appear in the Bulletin as duplications. These duplications will be eliminated in later programs.

Since retrospective information was not previously published in searchable form, the next several issues of the Bulletin will contain selected coverage of pest control literature issued between 1960 and 1966. Additional retrospective material will be incorporated in future bulletins through the special bibliographies prepared by the Center. Current pest control literature will receive comprehensive coverage. Future expansion will include selected abstracts when such abstracts appear in the source document.

Recipients of this introductory issue are invited to send their comments and suggestions for its improvement to the U.S. Department of Agriculture, National Agricultural Library, Pesticides Information Center, 4112-Auditors Building, Washington, D. C. 20250. These comments together with computer produced statistical analyses will provide the bases for future changes.

Blanche L. Oliveri

Blanche L. Oliveri
Acting Director
National Agricultural Library

PESTICIDES DOCUMENTATION BULLETIN

A BI-WEEKLY PUBLICATION OF

U. S. DEPARTMENT OF AGRICULTURE

Volume 4 | February 16, 1968 | Number 4

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The Pesticides Documentation Bulletin is compiled by the Pesticides Information Center, the first of its kind to be established within a national library, It is a bi-weekly index to the literature on pests and their control and the impact on the economy and man's total environment. The index includes literature on diseases, insects, nematodes, parasites, weeds, and other pests affecting plants, animals, man, our natural resources, and other values in man's environment. Literature on biological, chemical, cultural ecological, mechanical, and integrated methods of pest control will be included. Special emphasis is given to the literature on the toxicological, physiological and epidemiological aspects of pests and their control by chemical and nonchemical methods.

For broader coverage of literature on agriculture and related subjects, please consult the Bibliography of Agriculture, a monthly publication of the National Agricultural Library.

FORMAT

The Bulletin is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

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M Murphey H Andrews
Fla Entomol 47(1):35-38, 2 REFS., 2 FIGS.
Mar 1964 420 F662
American foulbrood, Apis mellifera, Oleandomycin.

Systematics

3869-68
A REVISION OF THE GENUS EPHEMERELLA (EPHEMEROPTERA: EPHEMERELLIDAE) 3. THE SUBGENUS ATTENUATELLA.
R K Allen G F Edmunds
Kans Entomol Soc J 34(4):161-173, 5 REFS., 15 FIGS.
Oct 1961 420 K13
Attenuatella, Ecology, Ephemerella, Insect morphology, Insect taxonomy, Metamorphosis.

3870-68
ECOLOGY OF THE IMMATURE STAGES OF SOME WISCONSIN BLACK FLIES (SIMULIIDAE: DIPTERA).
J R Anderson R J Dicke
Entomol Soc Amer Ann 53(3):386-403
May 1960 420 EN82
Hydromermis, Insect ecology, Larvae, Metamorphosis, Parasites, Protozoa, Simuliidae, Wisconsin.

3871-68
THE ICELANDIC BDELLIDAE (ACARINA).
W T Atyeo S L Tuxen
Kans Entomol Soc J 35(3):281-298, 6 REFS., 29 FIGS.
Jul 1962 420 K13
Bdella, Biscirus, Cyta, Insect morphology, Neomolgus, Thoribdella.

3872-68
NEOTYPE DESIGNATION FOR BDELIA LONGICORNIS (L.) (ACARINA: BDELLIDAE).
W T Atyeo
Kans Entomol Soc J 35(4):433, 8 REFS.
Oct 1962 420 K13
Bdella, Insect ecology, Insect taxonomy.

3873-68
BIOLOGICAL RACES OF THE BLACK SCALE, SAISSETIA OLEAE, AND THEIR SPECIFIC PARASITES.
B R Bartlett
Entomol Soc Amer Ann 53(3):383-385
May 1960 420 EN82
California, Figs, Metaphycus, Mexico, Parasitic insects, Saissetia.

3874-68
NEW CHIRONOMIDAE FROM FLORIDA (DIPTERA).
W M Beck Jr E C Beck
Fla Entomol 47(3):201-207, 2 REFS., 1 FIG.
Sep 1964 420 F662
Chironomus, Polypedilum, Trichocladius.

3875-68
EFFECTS OF TEMPERATURE AND PHOTOPERIOD ON VOLTINISM OF GEOGRAPHICAL POPULATIONS OF THE EUROPEAN CORN BORER, PYRAUSTA NUBILALIS.
S D Beck J W Apple
J Econ Entomol 54(3):550-558, 30 REFS.
Jun 1961 421 J822
Diapause, Photoperiodism, Pyrausta, Temperature.

3876-68
ANDROEURYOPS, A NEW GENUS OF TACHINIDAE (DIPTERA) FROM CENTRAL AMERICA.
D F Beneway
Kans Entomol Soc J 34(1):44-47, 8 REFS., 6 FIGS.
Jan 1961 420 K13
Abdomen, Androeuryops, Eciton, Head, Insect morphology, Labidus, Tachinidae, Thorax.

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NOTES ON MISCELLANEOUS INSECTS OF ARIZONA.
F F Bibby
J Econ Entomol 54(2):324-333
Apr 1961 421 J822
Insects, Population statistics.

3878-68
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G W Bishop
Entomol Soc Amer Ann 53(1):8-11
Jan 1960 420 EN82
Cryptolestes, Larvae.

3879-68
PARASITES OF THE FACE FLY, MUSCA AUTUMNALIS, IN NEW HAMPSHIRE.
R L Blickle
J Econ Entomol 54:(4):802
Aug 1961 421 J822
Musca, Parasitic insects.

3880-68
THE BIOLOGY OF HETEROSTYLUM ROBUSTUM (DIPTERA: BOMBYLIIDAE), A PARASITE OF THE ALKALI BEE.
G E Bohart W P Stephen R K Eppley
Entomol Soc Amer Ann 53(3):425-435
May 1960 420 EN82
Heterostylum, Insect biology, Nomia, Northwestern United States, Parasitic insects.

3881-68
A REVIEW OF THE GENUS OMALUS PANZER IN NORTH AMERICA (HYMENOPTERA, CHRYSIDIDAE).
R M Bohart L E Campos
Entomol Soc Amer Ann 53(2):235-250
Mar 1960 420 EN82
Chrysididae, Insect geography, Insect taxonomy, North America, Omalus, Zoogeography.

3882-68
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Entomol Soc Amer Ann 53(3):435
May 1960 420 EN82
Chrysididae, North America, Omalus.

3883-68
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O P Breland
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Sep 1960 420 EN82
Aedes, Colorado, Insect names, Texas.

3884-68
A REVISION OF THE FORMS OF COCCINELLA L. OCCURRING IN AMERICA NORTH OF MEXICO (COLEOPTERA: COCCINELLIDAE).
W J Brown
Can Entomol 94(8):785-808
Aug 1962 421 C16
Canada, Coccinella, Coleoptera, Greenland, Insect taxonomy, United States.

3885-68
TWO NEW PHYTOPHAGOUS SPECIES AND ONE NEW PARASITIC SPECIES OF THE GENUS EURYTOMA (HYMENOPTERA: EURYTOMIDAE).
R E Bugbee
Kans Entomol Soc J 35(4):345-348
Oct 1962 420 K13
Eurytoma, Insect biology, Insect ecology, Insect morphology, Parasitic insects.

3886-68
THE FLORIDA FIG WASP, SECUNDEISENIA MEXICANA (ASHM.), AND SOME OF ITS HYMENOPTEROUS SYMBIONTS.
G F Butcher
Fla Entomol 47(4):235-238, 8 REFS.

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Dec 1964 420 F662
Colyostichus, Idarnes, Neosycophila, Physothorax, Secundeisenia.

3887-68
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G W Byers
Kans Entomol Soc J 34(2):73-78, 7 REFS., 7 FIGS.
Apr 1961 420 K13
Boreus, Habitats, Insect morphology.

3888-68
DESCRIPTIONS AND DISTRIBUTIONAL RECORDS OF AMERICAN MECOPTERA 2.
G W Byers
Kans Entomol Soc J 35(3):299-307, 7 RFFS., 13 FIGS.
Jul 1962 420 K13
Bittacidae, Boreidae, Insect ecology, Insect morphology, Panorpa.

3889-68
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L Chandler
Kans Entomol Soc J 35(3):313-314, 6 REFS.
Jul 1962 420 K13
Insect biology, Insect ecology, Psaenythia.

3891-68
LAMINATING MOTH WINGS AND LARVAE.
M S Conrad
Entomol Soc Amer Ann 15(6):847
Nov 1960 420 EN82
Insect identification, Laminated plastics, Moths.

3892-68
KEY TO ADULTS OF DIPTEROUS PARASITES OF SPRUCE BUDWORM, CHORISTCNEURA FUMIFERANA (CLEM.) (LEPIDOPTERA: TORTRICIDAE).
H C Coppel
Entomol Soc Amer Ann 53(1):94-97
Jan 1960 420 EN82
British Columbia, Choristoneura, Diptera, Insect identification, Parasitic insects.

3893-68
EMPTY COCOONS OF THE INTRODUCED PINE SAWFLY, DIPRION SIMILIS, AS HABITAT NICHES FOR ARTHROPODS.
H C Coppel
Entomol Soc Amer Ann 15(6):847-849
Nov 1960 420 EN82
Arthropoda, Diprion, Habitats, Pupal cases.

3894-68
EGGS OF FLOODWATER MOSQUITOES. VII. SPECIES OF AEDES COMMON IN THE SOUTHEASTERN UNITED STATES (DIPTERA: CULICIDAE).
G B Craig Jr W R Horsfall
Entomol Soc Amer Ann 53(1):11-18
Jan 1960 420 EN82
Aedes, Culicidae, Insect eggs, Southeastern United States.

3895-68
A MONOMORPHIC CYCLE OF ADELGES COOLEYI (GILL.) (HOMOPTERA: PHYLLOXERIDAE) LIVING ONLY ON SPRUCE.
M E P Cumming
Can Entomol 94(11):1190-1195, 2 REFS.
Nov 1962 421 C16
Adelges, Life cycle, Picea.

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P Debach
Entomol Soc Amer Ann 15(6):701-705
Nov 1960 420 EN82
Aonidiella, Aphytis, Biological control (insects), Chrysomphalus, Insect identification, Insect taxonomy.

3897-68
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V L Delucchi
Kans Entomol Soc J 35(4):389-392, 1 REF., 2 PLATES
Oct 1962 420 K13
Insect morphology, Insect taxonomy, Moserina, Pachypsylla, Parasitic insects.

3898-68
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H A Denmark
Fla Entomol 48(2):89-95, 2 REFS., 4 FIGS.
Jun 1965 420 F662
Amblyseius, Cydnodromus, Phytoseiidae.

3899-68
NEW TRICHOPTERA FROM MEXICO.
D G Denning
Kans Entomol Soc J 35(4):402-408, 9 FIGS.
Oct 1962 420 K13
Chimarra, Insect ecology, Insect morphology, Insect taxonomy, Polycentropus.

3900-68
NEW NORTH AMERICAN SIMULIIDAE OF THE GENUS CNEPHIA ENDERLEIN (DIPTERA).
G R DeFoliart B V Peterson
Entomol Soc Amer Ann 53(2):213-219
Mar 1966 420 EN82
North America, Simuliidae.

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A NEW SPECIES OF ISCHNURA FROM GUATEMALA, WITH REVISIONARY NOTES ON RELATED NORTH AND CENTRAL AMERICAN DAMSELFLIES (ODONATA: COENAGRIONIDAE).
T W Donnelly
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Mar 1965 420 F662
Anomalura, Celaenura, Ceratura, Ischnura.

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C J Drake F A Ruhoff
Kans Entomol Soc J 34(3):145-151, 3 FIGS.
Jul 1961 420 K13
Catoplatus, Cochlochila, Cysteochila, Habrochila, Insect morphology, Insect taxonomy, Physatochelia, Tingidae.

3903-68
NEW MOSQUITO RECORDS FOR SOUTH DAKOTA.
J D Edman
Kans Entomol Soc J 35(4):430-432, 5 REFS., 1 FIG.
Oct 1962 420 K13
Aedes, Anopholes, Culex, Culicidae, Insect taxonomy, Orthopodomyia, Psorophora, Uranotaenia.

3904-68
A NEW HARPACTORINE GENUS (HEMIPTERA: REDUVIIDAE).
J C Elkins
Kans Entomol Soc J 35(4):360-363, 3 RFFS., 3 FIGS.
Oct 1962 420 K13
Harpactorine, Insect ecology, Insect morphology, Mucrolicter.

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J C Elkins
Kans Entomol Soc J 35(4):421-429, 2 REFS., 20 FIGS.
Oct 1962 420 K13
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L L Ellis
Fla Entomol 48(1):77, 3 REFS.
Mar 1965 420 F662
Habitats, Plea.

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K C Emerson J C Johnson
Kans Entomol Soc J 34(1):34-43, 17 REFS., 4 PLATES

Jan 1961 420 K13
Insect morphology, Parasitic insects, Penenirmus, Piciformes.

3908-68
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K C Emerson
Kans Entomol Soc J 35(1):196-201, 15 REFS., 11 FIGS.
Jan 1962 420 K13
Agriocharis, Chelopistes, Mallophaga, Menacanthus, Oxylipeurus, Turkeys.

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K C Emerson
Kans Entomol Soc J 35(4):369-370, 1 REFS., 4 FIGS.
Oct 1962 420 K13
Bovicola, Insect ecology, Insect morphology, Parasitic insects, Sheep.

3910-68
A REVISION OF THE GENUS ENYPIA (LEPIDOPTERA: GEOMETRIDAE).
D Evans
Entomol Soc Amer Ann 53(5):560-574
Sep 1960 420 EN82
Enypia, Insect taxonomy.

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INDICES OF SEASONAL POPULATIONS OF THE ADULTS, EGGS, AND LARVAE OF THE CORN EARWORM.
M H Farrier W W Reid
J Econ Entomol 54(4):692-695, 9 REFS.
Aug 1961 421 J822
Corn, Eggs, Heliothis zea, Larvae, Population, Weather.

3912-68
BIOLOGY OF PHYSCUS SP. (EULOPHIDAE, APHELININAE) FROM BURMA.
T W Fisher
J Econ Entomol 54(3):444-446, 4 REFS.
Jun 1961 421 J822
Aonidiella, Beneficial insects, Biological control, Physcus.

3913-68
PARATERELLIA, A NEW GENUS OF TEPHRITIDAE FROM THE WESTERN UNITED STATES (DIPTERA).
R H Foote
Entomol Soc Amer Ann 53(1):121-125
Jan 1960 420 EN82
Diptera, Tephritidae, Western United States.

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A NEW NORTH AMERICAN FRUIT FLY GENUS, PROCECIDOCHAROIDES (DIPTERA: TEPARITIDAE).
R H Foote
Entomol Soc Amer Ann 15(5):671-675
Sep 1960 420 EN82
North America, Procecidocharoides, Tephritidae.

3915-68
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R H Foote
Kans Entomol Soc J 35(1):170-179, 23 REFS., 1 TAB.
Jan 1962 420 K13
Acinia, Aciurina, Euaresta, Euarestoides, Eurosta, Eutreta, Gymnocarena, Insect morphology, Neotephritis, Orellia, Paroxyna, Procecidochares, Rhagoletis, Stenopa, Tephritis, Trupanea, Trypeta, Xenochaeta.

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J E George
Kans Entomol Soc J
34(3):105-132, 13 REFS., 2 TABS., 82 FIGS.
Jul 1961 420 K13
Insect ecology, Insect morphology, Parasitic insects, Passeriform, Ptilonyssus.

3917-68
NEW RECORD OF THE TICK IXODES AFFINIS IN THE UNITED STATES.
R R Gerrish J M Ossorio
J Econ Entomol 58(2):369
Apr 1965 421 J822
Felis, Insect ecology, Ixodes, Parasitic insects.

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ECOLOGICAL OBSERVATIONS ON THE INSECTS AND OTHER INHABITANTS OF WOODY SHELF FUNGI (BASIDIOMYCETES: POLYPORACEAE) IN THE CHICAGO AREA.
R C Graves
Entomol Soc Amer Ann 53(1):61-78
Jan 1960 420 EN82
Colembolla, Coleoptera, Fungi, Habitats, Illinois, Insect ecology, Insects, Mites.

3919-68
NOTES ON NEMOTELUS (DIPTERA: STRATIOMYIDAE).
W J Hanson
Kans Entomol Soc J 34(4):214
Oct 1961 420 K13
Insect ecology, Nemotelus.

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DESIGN OF A SAMPLING PLAN FOR STUDIES ON THE POPULATION DYNAMICS OF THE IMPORTED CABBAGEWORM, PIERIS RAPAE (L.) (LEPIDOPTERA: PIERIDAE).
D G Harcourt
Can Entomol 94(8):849-859
Aug 1962 421 C16
Demography, Lepidoptera, Pieridae, Sampling (statistics).

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EFFECT OF MIGRATION, TEMPERATUE, PRECIPITATION ON THRIPS INFESTATIONS IN SOUTH TEXAS.
J A Harding
J Econ Entomol 54(1):77-79
Feb 1961 421 J822
Insect migration, Onions, Thrips, Weather.

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THE LIFE HISTORY OF THE BLACKWORM, AGROTIS IPSILON (HUFNAGEL), UNDER CONTROLLED CONDITIONS.
C R Harris J H Mazurek G V White
Can Entomol 94(11):1183-1187, 6 REFS.
Nov 1962 421 C16
Agrotis, Life cycle.

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J C Harshbarger E M Raffensperger
J Econ Entomol 54(1):74-76
Feb 1961 421 J822
Menopon, Population statistics.

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A NEW INSECT CLEARING TECHNIQUE.
W E Hazeltine
Kans Entomol Soc J 35(1):165, 2 REFS., 1 FIG.
Jan 1962 420 K13
Insect clearing, Insect morphology, Methodology.

3925-68
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B G Hightower A L Adams D A Alley
J Econ Entomol 58(2):373-375, 4 REF.
Apr 1965 421 J822
Cochliomyia, Experimental insects, Insect flight, Insect migration, Irradiation.

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F K Ho
Entomol Soc Amer Ann 53(2):280-281
Mar 1960 420 EN82
Insect morphology, Pupae, Tenebrionidae, Tribolium.

3927-68
OBSERVATIONS ON THE SUBGENUS ARGAS (IXODOIDEA, ARGASIDAE, ARGAS). I.STUDY OF A. REFLEXUS REFLEXUS (FABRICIUS, 1794), THE EUROPEAN BIRD ARGASID.
H Hoogstraal G M Kohls
Entomol Soc Amer Ann 53(5):611-618
Sep 1960 420 EN82
Argas, Birds, Europe, North Africa.

3928-68
SOME BOST RELATIONSHIPS OF THE TORTOISE TICK, HYALOMMA (HYALOMMASTA) AEGYPTIUM (L.) (IXODOIDEA, IXODIDAE) IN TURKEY.
H Hoogstraal M N Kaiser
Entomol Soc Amer Ann 53(4)457-458

Jul 1960 420 EN82
Agama, Apodemus, Erinaceus, Hedgehogs, Hyalomma, Hyalommasta, Lepus, Perdix, Testudo, Turkey, Turtles.

3929-68
OBSERVATIONS ON THE SUBGENUS ARGAS (IXODOIDEA, ARGASIDAE, ARGAS). 3. A BIOLOGICAL AND SYSTEMATIC STUDY OF A. REFLEXUS HERMANNI AUDOUIN, 1827 (REVALIDATED), THE AFRICAN BIRD ARGASID.
H Hoogstraal G M Kohls
Entomol Soc Amer Ann 15(6):743-755
Nov 1960 420 EN82
Argas, Argasidae, Birds, East Africa, Egypt.

3930-68
OBSERVATIONS ON TICKS (IXODOIDEA) OF LIBYA.
H Hoogstraal M N Kaiser
Entomol Soc Amer Ann 53(4):445-457
Jul 1960 420 EN82
Birds, Hyalomma, Ixodoidea, Libya, Parasitic insects, Wildlife.

3931-68
A NEW SPECIES OF TENAGOGONUS FROM THE FIJI ISLANDS (GERRIDAE: HETEROPTERA).
H B Hungerford R Matsuda
Kans Entomol Soc J 34(4):173-176, 2 FIGS.
Oct 1961 420 K13
Color, Ecology, Insect morphology, Insect taxonomy, Tenagogonus.

3932-68
A NEW CORIXID FROM GUATEMALA.
H B Hungerford R Matsuda
Kans Entomol Soc J 34(4):176-178, 5 FIGS.
Oct 1961 420 K13
Color, Insect morphology, Sigara (Aphelosigara).

3933-68
A NEW-WORLD SPECIES OF BAMBOO-NESTING CARPENTER BEES BELONGING TO THE GENUS XYLOCOPA LATREILLE (HYMENOPTERA: APOIDEA).
P D Hurd Jr J S Moure
Entomol Soc Amer Ann 15(6):809-821
Nov 1960 420 EN82
Bamboo, Bee behavior, Stenoxylocopa, Western hemisphere, Xylocopa.

3934-68
POPULATION FLUCTUATIONS OF LYDELLA GRISESCENS, A PARASITE OF THE EUROPEAN CORN BORER.
J L Jarvis G T York
J Econ Entomol 54(1):213-214
Feb 1961 421 J822
Biological control, Iowa, Lydella, Ostrinia, Population statistics.

3935-68
THE ANATOMY AND RHYTHMICAL ACTIVITIES OF THE ALIMENTARY CANAL OF ANOPHELES LARVAE.
J C Jones
Entomol Soc Amer Ann 53(4):459-474
Jul 1960 420 EN82
Anopheles, Gastrointestinal system.

3936-68
A NEW SPECIES OF OMANIA FROM SAMOA, WITH NOTES ON ITS BIOLOGY (HETEROPTERA: SALDIDAE).
W R Kellen
Entomol Soc Amer Ann 53(4):494-499
Jul 1960 420 EN82
Insect biology, Samoa.

3937-68
ACTIVITY AND ABUNDANCE IN INSECT LIGHT TRAP SAMPLING.
E W King A T Hind
Entomol Soc Amer Ann 53(4):524-529
Jul 1960 420 EN82
Insect traps, Light traps, Population statistics, Regression analysis, Statistical analysis.

3938-68
RESPONSES OF THE ALFALFA WEEVIL, HYPERA POSTICA, TO CONTROLLED ENVIRONMENTS.
C S Koehler G G Gyrisco
J Econ Entomol 54(4):625-627, 11 REFS.
Aug 1961 421 J822
Alfalfa, Eggs, Humidity, Hypera, Larvae, Pupae, Temperature.

3939-68
OBSERVATIONS ON THE SUBGENUS ARGAS (IXODOIDEA, ARGASIDAE, ARGAS). 2. A. COOLEYI, NEW SPECIES, FROM WESTERN NORTH AMERICAN BIRDS.
G M Kohls H Hoogstraal
Entomol Soc Amer Ann 53(5):625-631
Sep 1960 420 EN82
Birds, Petrochelidon, Western North America.

3940-68
DESCRIPTIONS OF THREE MYRMECOPHILOUS MACROCHELIDAE (ACARINA: MESOSTIGMATA) FROM PANAMA, BRITISH GUIANA AND THE BRITISH WEST INDIES.
G W Krantz
Kans Entomol Soc J 35(4):349-357, 8 REFS. 14 FIGS.
Oct 1962 420 K13
Aethosoma, Insect ecology, Insect morphology, Insect taxonomy, Macrocheles.

3941-68
THE NONRANDOM DISTRIBUTION OF FORAGING HONEY BEES BETWEEN APIARIES.
W R Lee
J Econ Entomol 54(5):928-933, 15 REFS.
Aug 1961 421 J822
Apiaries, Apis mellifera, Distribution.

3942-68
A PRELIMINARY LIST OF TEXAS APHIDS.
M D Leonard A N Tissot
Fla Entomol 48(4):255-265, 4 REFS.
Dec 1965 420 F662
Aphis, Brevicoryne, Dactynotus, Macrosiphum, Monellia, Pemphigus, Rhopalosiphum, Texas.

3943-68
DISTRIBUTION OF FORAGERS FROM HONEY BEE COLONIES PLACED IN THE MIDDLE OF A LARGE FIELD OF ALFALFA.
M D Levin
J Econ Entomol 54(3):431-434, 3 REFS., 2 TABS.
Jun 1961 421 J822
Alfalfa, Apis mellifera, Insect dissemination, Radioactive tracers.

3944-68
OCCURRENCE OF HIPPELATES EYE GNATS IN A COASTAL HABITAT IN CALIFORNIA.
H I Magy A Lee
J Econ Entomol 54(1):206-207
Feb 1961 421 J822
Chloropidae, Insect control, Insect vectors, Weather.

3945-68
OCCURRENCE OF AN UNUSUAL SPECIES OF TETRASTICHUS (HYMENOPTERA: EULOPHIDAE) IN NEBRASKA.
G R Manglitz
Kans Entomol Soc J 34(1):17-18, 1 REF.
Jan 1961 420 K13
Hymenoptera, Sitona, Sweetclover, Tetrastichus.

3946-68
CHANGES IN THE STATUS OF EFFERIA BARBATA (FAB.) AND EFFERIA ALIBARBIS (MACQ.) (DIPTERA: ASILIDAE).
C H Martin
Kans Entomol Soc J 35(2):247-253, 5 REFS.
Apr 1962 420 K13
Efferia, Insect ecology, Insect morphology, Insect taxonomy.

3947-68
THE PLUMOSE HAIR OF HETEROPOGON AND TWO NEW SPECIES FROM MEXICO (DIPTERA: ASILIDAE).
C H Martin
Kans Entomol Soc J 35(4):371-377, 8 REFS.
Oct 1962 420 K13
Heteropogon, Insect morphology, Plumose hair.

3948-68
THE MISTAKEN IDENTITY OF PROCTACANTHUS ARNO TOWNSEND AND A NEW SPECIES.
C H Martin
Kans Entomol Soc J 35(1):185-188, 2 REFS.
Jan 1962 420 K13
Insect morphology, Insect taxonomy, Proctacanthus.

3949-68
MORPHOLOGY OF THE PLEUROSTERNAL REGION OF THE PTEROTHORAX IN INSECTS.
R Matsuda
Entomol Soc Amer Ann 15(6):712-731
Nov 1960 420 EN82

Insect evolution, Insect morphology, Sternum, Thorax.

3950-68
MORPHOLOGY AND EVOLUTION OF THE PLEUROSTERNAL REGION OF THE PTERCTHORAX IN NOTONECTIDAE AND RELATED FAMILIES.
R Matsuda
Kans Entomol Soc J 35(2):235-242, 11 REFS., 11 FIGS.
Apr 1962 420 K13
Corixidae, Helotrephidae, Insect evolution, Insect morphology, Notonectidae, Pleidae, Pleurosternum, Thorax.

3951-68
AGROSOMA, A NEW GENUS FOR TETTIGONIA PULCHELLA GUERIN AND RELATED SPECIES (HOMOPTERA: CICADELLIDAE).
J T Medler
Entomol Soc Amer Ann 53(1):18-26
Jan 1960 420 EN82
Agrosoma, Central America, Cicadellidae, Mexico, Tettigonia pulchella.

3952-68
A NEW PARASITIC GENUS OF CERATININI FROM AUSTRALIA (HYMENOPTERA: APOIDEA).
C D Michener
Kans Entomol Soc J 34(4):178-180, 2 REFS., 2 FIGS.
Oct 1961 420 K13
Allodapula, Ceratinini, Eucondylops, Exoneura, Exoneura excavata, Iquilina, Parasitic insects.

3953-68
ON THE IDENTITY OF OSMIA GAUDIOSA COCKERELL (HYMENOPTERA, MEGACHILIDAE).
C D Michener
Kans Entomol Soc J 35(2):253-254, 1 REF., 1 TAB.
Apr 1962 420 K13
Insect ecology, Insect morphology, Osmia.

3954-68
OLFACTOMETER AND PROCEDURE FOR TESTING BAITS AND CHEMICAL ATTRACTANTS AGAINST HIPPELATES EYE GNATS.
M S Mulla R W Dorner G F Georghiu M J Garber
Entomol Soc Amer Ann 53(4):529-537
Jul 1960 420 EN82
Attractants, Baits, Hippelates, Insect traps, Olfactometers.

3955-68
CHEYLETIDAE (ACARINA: TROMBIDIFORMES) ASSOCIATED WITH CITRUS IN FLORIDA.
M B Muma
Fla Entomol 47(4):239-253, 7 REFS., 4 PLS.
Dec 1964 420 F662
Cheletogenes, Cheletomimus, Citrus, Florida, Grallacheles, Ker, Mexecheles, Nodele, Paracheyletia.

3956-68
PREDATORY MITES OF THE FAMILY CUNAXIDAE ASSOCIATED WITH CITRUS IN FLORIDA.
M H Muma
Entomol Soc Amer Ann 53(3):321-326
May 1960 420 EN82
Citrus, Cunaxa, Cunaxidae, Cunaxoides, Florida, Predaceous insects.

3957-68
EIGHT NEW PHYTOSEIIDAE (ACARINA: MESOSTIGMATA) FROM FLORIDA.
M H Muma
Fla Entomol 48(4):245-254, 6 REFS., 37 FIGS.
Dec 1965 420 F662
Amblyseiulus, Amblyseius, Florida, Iphiseius, Neoseiulus, Proprioseiopsis, Typhlodromips.

3958-68
FOUR NEW SPECIES OF HYDROMETRA FROM THE NEW WORLD (HEMIPTERA: HYDROMETRIDAE).
S Mychajliw
Kans Entomol Soc J 34(1):27-33, 2 PLATES
Jan 1961 420 K13
Abdomen, Color, Hydrometra, Insect morphology, Size, Thorax.

3959-68
ANGELOTHROMBIUM PANDORAE N. G., N. SP. (ACARI, TROMBIDIIDAE), AND NOTES ON THE BIOLOGY OF THE GIANT RED VELVET MITES.
J M Newell L Tevis Jr
Entomol Soc Amer Ann 53(3):293-304
May 1960 420 EN82
Angelothrombium, Coachella Valley, Grasshoppers, Larvae, Parasitic insects, Predaceous insects, Southern California, Termites, Trombidiidae.

3960-68
BIONOMICS OF THE APPLE APHID, APHIS POMI, ON YOUNG NONBEARING APPLE TREES.
E R Oatman E F Legner
J Econ Entomol 54(5):1034-1037, 2 REFS.
Aug 1961 421 J822
Aphididae, Apples, Insect ecology, Population, Surveys.

3961-68
INTRASPECIFIC COMPETITION STUDIES OF THE MELON LEAF MINER, LIRIOMYZA PICTELLA (THOMSON) (DIPTERA: AGROMYZIDAE).
E R Oatman
Entomol Soc Amer Ann 53(1):130-131
Jan 1960 420 EN82
Agromyzidae, Competition, Demography, Food supply, Liriomyza, Oviposition.

3962-68
NOTES ON AND REDESCRIPTION OF TYPES OF NORTH AMERICAN BOMBYLIIDAE (DIPTERA) IN EUROPEAN MUSEUMS.
R H Painter E M Painter
Kans Entomol Soc J 35(1):2-161, 63 REFS., 2 TABS., 20 FIGS.
Jan 1962 420 K13
Amphicosmus, Anthrax, Aphoebantus, Astrophanes, Bombyliidae, Bombylius, Conophorus, Cyananthrax, Eclimus, Exoprosopa, Geron, Heterostylum, Insect morphology, Insect taxonomy, Lepidanthrax, Lepidophora, Ogcodocera, Oliodranes, Pantarbes, Parabombylius, Paracosmus, Phthiria, Poecilanthrax, Sparnopolius, Spenoidoptera, Stonyx, Systropus, Toxophora, Villa.

3963-68
SEASONAL HISTORY AND REARING OF SCAPHYTOPIUS ACUTUS (SAY) (HOMOPTERA: CICADELLIDAE).
D H Palmiter W J Coxeter J A Adams
Entomol Soc Amer Ann 15(6):843-846
Nov 1960 420 EN82
Diapause, Fruit, Hibernation, Insect biology, Insect rearing, Population, Scaphytopius, X-disease virus.

3964-68
TWO NEW PELECYPHORUS FROM CALIFORNIA (NOTES ON NORTH AMERICAN COLEOPTERA, NO. 13).
C S Papp
Kans Entomol Soc J 34(3):157-160, 2 FIGS.
Jul 1961 420 K13
Insect morphology, Pelecyphorus.

3965-68
NEW NORTH AMERICAN TABANIDAE. XI- SUPPLEMENTAL NOTES PERTINENT TO A CATALOG OF NEARCTIC SPECIES.
C B Philip
Entomol Soc Amer Ann 53(3):364-369
May 1960 420 EN82
Apatolestes, Atylotus, North America, Tabanidae, Tabanus.

3966-68
FLEAS (SIPHONAPTERA) OF SMALL MAMMALS IN KANSAS.
J H Poorbaugh H T Gier
Kans Entomol Soc J 34(4):198-204, 21 REFS., 1 TAB.
Oct 1961 420 K13
Cediopsylla, Chaetopsylla, Conorhinopsylla, Corrodopsylla, Ctenocephalides, Ctenopthalmus, Cynomys, Didelphis, Epitedia, Holdpsyllus, Methodology, Monopsyllus, Opisocrostis, Orchopeas, Parasitic insects, Pulex, Rhadinopsylla, Siphonaptera, Stenoponia, Thrassis.

3967-68
TAXONOMIC STUDIES ON THE ACLERIS GLOVERANA-VARIANA COMPLEX, THE BLACK-HEADED BUDWORMS (LEPIDOPTERA: TORTRICIDAE).
J A Powell
Can Entomol 94(8):833-840
Aug 1962 421 C16
Acleris, Lepidoptera, Tortricidae.

3968-68
TWO PREVIOUSLY UNDESCRIBED SPECIES OF CANADIAN ARCHIPSINI, WITH A REPORT OF THE GENUS LOZOTAENIA STEPHENS IN NORTH AMERICA (LEPIDOPTERA: TORTRICIDAE).
J A Powell
Can Entomol 94(8):841-845
Aug 1962 421 C16
Archipsini, Lepidoptera, Lozotaenia, North America, Tortricidae.

3969-68
SUPPRESSION OF GRASSHOPPERS BY NEMESTRINID PARASITES (DIPTERA).
H W Prescott
Entomol Soc Amer Ann 53(4):513-521
Jul 1960 420 EN82
Grasshoppers, Melanoplus, Mortality, Neorhynchocephalus, Northwestern United States, Reproduction.

3970-68
A NEW FAMILY OF PROTURA FROM CALIFORNIA.
D W Price
Entomol Soc Amer Ann 15(5):675-678
Sep 1960 420 EN82
California, Hesperentomonidae, Protura.

3971-68
A NEW CLASSIFICATION OF THE PAEDOGENIC GALL MIDGES FORMERLY ASSIGNED TO THE SUBFAMILY HETEROPEZINAE (DIPTERA: CECIDOMYIIDAE).
A E Pritchard
Entomol Soc Amer Ann 53(3):305-316
May 1960 420 EN82
Barnesina, Cecidomyiidae, Heteropezinae, Heteropezini, Insect taxonomy, Moehnia, Parthenogenesis.

3972-68
DISTRIBUTION OF ARMY CUTWORM LARVAE IN WHEAT AND BARLEY FIELDS.
K P Prugess
J Econ Entomol 54(2):250-252
Apr 1961 421 J822
Barley, Chorizagrotis, Population statistics, Wheat.

3973-68
LIFE HISTORY AND BEHAVIOUR OF THE RASPBERRY CROWN BORER BEMBECIA MARGINATA (HARR.) (LEPIDOPTERA: AEGERITDAE).
J Raine
Can Entomol 94(11):1216-1222, 7 REFS.
Nov 1962 421 C16
Bembecia, Life cycle.

3974-68
NEW MOSQUITO RECORDS FROM NEBRASKA, I.
W F Rapp F C Harmston
Kans Entomol Soc J 34(2):86-87, 3 REFS.
Apr 1961 420 K13
Aedes, Anopheles, Culicidae, Culiseta, Insect ecology, Mansonia, Psorophora.

3975-68
NEW AMERICAN TACHINIDAE AND SARCOPHAGIDAE (DIPTERA).
H J Reinhard
Kans Entomol Soc J 34(4):204-213
Oct 1961 420 K13
Acronarista, Eugaediopsis, Ignotomyia, Impeccantia, Insect morphology, Insect taxonomy, Lispideosoma, Metopia, Phrosinella, Sarcophagidae, Tachindae, Thermatheca, Uramya.

3976-68
SPECIES OF COPROMYZA ALLIED TO SORDIDA (DIPTERA: SPHAEROCERIDAE), WITH NOTES ON TYPES OF AFRICAN SPHAEROCERIDAE DESCRIBED BY C.F. ADAMS.
O W Richards
Kans Entomol Soc J 35(4):364-368, 17 REFS., 6 FIGS.
Oct 1962 420 K13
Copromyza, Insect morphology, Insect taxonomy.

3977-68
DIALEURODES KIRKALDYI (KOTINSKY), A WHITEFLY NEW TO THE UNITED STATES (HOMOPTERA: ALEYRODIDAE).
L M Russell
Fla Entomol 47(1):1-4, 10 REFS., 1 FIG.
Mar 1964 420 F662
Dialeurodes, Jasminum, Morinda.

3978-68
NOTES ON THE ENTOMOLOGICAL WRITINGS OF ASA FITCH, M.D., WITH SPECIAL REFERENCE TO HIS CATALOGUES AND REPORTS.
L M Russell
Entomol Soc Amer Ann 53(3):326-327
May 1960 420 EN82
Asa Fitch, Bibliography, Entomologists, Entomology, Insect taxonomy.

3979-68
BIOLOGY OF CACTIPHILIC SPECIES OF CERATOPOGONIDAE (DIPTERA).
B E Ryckman
Entomol Soc Amer Ann 53(5):659-661
Sep 1960 420 EN82
Ceratopogonidae, Cereus, Culicoides, Dasyhelea, Forcipomyia, Insect nutrition, Insect rearing, Laphocereus, Opuntia, Pachycereus.

3980-68
A SYSTEMATIC STUDY ON THE STRAWBERRY APHID COMPLEX (PENTATRICHOPUS SPP.).
G A Schaefers
Entomol Soc Amer Ann 15(6):783-793
Nov 1960 420 EN82
Chaetosiphon, Insect vectors, North America, Pentatrichopus, Strawberry virus.

3981-68
A REVIEW OF THE GENUS EULONCHUS GERSTACKER. PART I. THE SPECIES OF THE SMARAGDINUS GROUP (DIPTERA: ACROCERIDAE).
E I Schlinger
Entomol Soc Amer Ann 53(3):416-422
May 1960 420 EN82
Acrocercidae, California, Cryptantha, Eulonchus, Metamorphosis, Parasitic insects.

3982-68
BIOLOGICAL NOTES ON PACIFIC COAST APHID PARASITES, AND LISTS OF CALIFORNIA PARASITES (APHIDIINAE) AND THEIR APHID HOSTS (HYMENOPTERA: BRACONIDAE).
E I Schlinger J C Hall
Entomol Soc Amer Ann 53(3):404-415
May 1960 420 EN82
Aphidiinae, Braconidae, British Columbia, California, Hyperparasitism, Parasitic insects.

3983-68
NEW TERMITOPHILOUS STAPHYLINIDAE OF ZOOGEOGRAPHIC SIGNIFICANCE (COLEOPTERA).
C H Seevers
Entomol Soc Amer Ann 15(6):825-834
Nov 1960 420 EN82
Idiogaster, Protermitobia, Spirachthodes, Staphylinidae, Termitogastrina, Termitona, Termitoptochus, Thyreoxenus, Trichopseniinae.

3984-68
SPECIES OF THE SPATULATA GROUP OF ANASTREPHA (DIPTERA: TEPHRITIDAE).
J G Shaw
Kans Entomol Soc J 35(4):408-414, 1 REF., 3 PLATES
Oct 1962 420 K13
Anastrepha, Insect ecology, Insect morphology.

3985-68
ROPALOPHORUS HALIDAY - A GENUS NEW TO NORTH AMERICA (HYMENOPTERA: BRACONIDAE: EUPHORINAE).
R D Shenefelt
Entomol Soc Amer Ann 53(4):542-546
Jul 1960 420 EN82
Euphorinae, Insect taxonomy, Ropalophorus.

3986-68
EFFECTS OF SOIL TEMPERATURE AND MOISTURE ON THE VERTICAL DISTRIBUTION OF EUROPEAN CHAFER LARVAE.
H H Shorey G G Gyrisco
Entomol Soc Amer Ann 15(5):666-670
Sep 1960 420 EN82
Amphimallon, Larvae, Soil moisture, Soil temperature.

3987-68
AN ABNORMAL GRASSHOPPER WITH TWO MEDIAN OCELLI (ORTHOPTERA, ACRIDIDAE).
E H Slifer
Entomol Soc Amer Ann 53(3):441-442
May 1960 420 EN82
Insect abnormalities, Melanoplus.

3988-68
THE GENUS MICROPARSUS PATCH (APHIDAE: HOMOPTERA).
C F Smith N Tuatay
Entomol Soc Amer Ann 15(6):735-742
Nov 1960 420 EN82
Eastern United States, Microparsus, Parasitic insects, Siphonophora.

3989-68
DESIGNATION OF INSECTICIDES BY TRADEMARKED NAMES OR CODE NUMBERS IN SOCIETY PUBLICATIONS.
C N Smith
J Econ Entomol 54(5):1066-1067
Aug 1961 421 J822
Chemicals, Insecticides, Nomenclature, Trademarks.

3990-68
BOLL WEEVIL MOVEMENT FROM HIBERNATION SITES TO FRUITING COTTON.
G L Smith T C Cleveland J C Clark
J Econ Entomol 58(2):357-358, 1 REF., 1 TAB.
Apr 1965 421 J822
Arthonomus grandis, Cotton, Hibernation.

3991-68
JAPYGIDAE OF NORTH AMERICA, 5. SPECIES OF EVALLJAPYX WITH 30(PLUS OR MINUS 1)SEGMENTS IN THE ANTENNA (ORDER DIPLURA).
L M Smith
Entomol Soc Amer Ann 53(2):137-143
Mar 1960 420 EN82
Antennae, Diplura, Japygidae, North America.

3992-68
THE FAMILY PROJAPYGIDAE AND ANAJAPYGIDAE (DIPLURA) IN NORTH AMERICA.
L M Smith
Entomol Soc Amer Ann 53(5):575-583
Sep 1960 420 EN82
Anajapygidae, Anajapyx, North America, Projapygidae, Symphylurinus.

3993-68
DESCRIPTION OF THE LARVA OF HYDROVATUS CUSPIDATUS PUSTULATUS MELSHEIMER (COLEOPTERA: DYTISCIDAE).
P J Spangler
Kans Entomol Soc J 35(2):279-280, 1 REF., 10 FIGS.
Apr 1962 420 K13
Hydrovatus, Insect morphology, Larvae.

3994-68
TWO NEW SPECIES OF SEPSISOMA FROM KANSAS (DIPTERA: RICHARDIIDAE).
G C Steyskal
Kans Entomol Soc J 34(2):83-85, 2 FIGS.
Apr 1961 420 K13
Insect morphology, Richardiidae, Sepsisoma.

3995-68
SPANOGONICUS ALBOFASCIATUS AND RHINACLOA FORTICORNIS ON COTTON IN ARIZONA.
A Stoner G T Bottger
J Econ Entomol 58(2):314-315, 5 REFS.
Apr 1965 421 J822
Arizona, Cotton, Rhinacloa, Spanogonicus, Weeds.

3996-68
HOST PLANTS OF SPANOGONICUS ALBOFASCIATUS IN ARIZONA.
A Stoner
J Econ Entomol 58(2):322-324, 10 REFS.
Apr 1965 421 J822
Arizona, Insects, Methodology, Plant hosts, Spanogonicus.

3997-68
A NEW SPECIES OF SOIL-INHABITING MITE, HYPOASPIS MARKSI (ACARINA, LAELAPTIDAE).
R W Strandtmann D A Crossley
Kans Entomol Soc J 35(1):180-185, 4 REFS., 11 FIGS.
Jan 1962 420 K13
Hypoaspis, Insect morphology, Insect taxonomy, Oribatei.

3998-68
WHEAT STEM SAWFLY PARASITES, COLLYRIA CALCITRATOR AND PEDIOBIUS NIGRITARSIS, IN EASTERN UNITED STATES.
F A Streams L W Coles
J Econ Entomol 58(2):303-306, 10 REFS.
Apr 1963 421 J822
Cephus, Collyria, Insect ecology, Parasitic insects, Pediobius.

3999-68
RESULTS OF A TICK-HOST STUDY IN NORTHWEST ARKANSAS.
P Tugwell J L Lancaster
Kans Entomol Soc J 35(1):202-211, 18 REFS., 5 TABS., 1 FIG.
Jan 1962 420 K13
Amblyomma, Dermacentor, Haemaphysalis, Ixodes, Ixodides, Parasitic insects, Rhipicephalus.

4000-68
THE EFFECT OF INBREEDING AND CROSSBREEDING ON NUMBER OF INSECTS.
N Turner
Entomol Soc Amer Ann 15(5):686-688
Sep 1960 420 EN82
Breeding, Fertility, Oncopeltus, Population.

4001-68
IXODORHYNCHUS UNCATISSIMUS, A NEW SPECIES OF PARASITIC MITE (ACARINA: MESOSTIGMATA) FROM THE SNAKE, PSEUSTES POECILONOTUS.
W J Voss W Strandtmann
Kans Entomol Soc J 35(3):308-313, 9 REFS., 8 FIGS.
Jul 1962 420 K13
Insect ecology, Insect morphology, Ixodorhynchus, Parasitic insects, Pseustes, Snakes.

4002-68
HOST RECORDS FOR SOME NORTH AMERICAN SPIDER WASPS, WITH NOTES ON PREY SELECTION (HYMENOPTERA: POMPILIDAE).
M S Wasbauer J A Powell
Kans Entomol Soc J 35(4):393-401, 29 REFS.,
Oct 1962 420 K13
Ageniella, Anoplius, Dipogon, Episyron, Hymenoptera, Insect biology, Parasitic insects, Pompilus, Priocnemioides, Priocnemis.

4003-68
SOME ABNORMALITIES IN THE FOXGLOVE APHID IN NORTHEASTERN MAINE.
H E Wave W A Shands G W Simpson
Entomol Soc Amer Ann 15(6):708-711
Nov 1960 420 EN82
Insect abnormalities, Maine, Myzus, Wings (insects).

4004-68
THE ANT LARVAE OF THE SUBFAMILY MYRMICINAE.
G C Wheeler J Wheeler
Entomol Soc Amer Ann 53(1):98-110
Jan 1960 420 EN82
Insect anatomy, Insect identification, Insect taxonomy, Larvae, Myrmicinae.

4005-68
STERNITE MODIFICATION IN MALES OF THE DROSOPHILIDAE (DIPTERA).
M R Wheeler
Entomol Soc Amer Ann 53(2):133-137
Mar 1960 420 EN82
Abdomen, Drosophilidae, Insect anatomy, Reproductive organs, Sex.

4006-68
THE MATING BEHAVIOR OF PEUCETIA VIRIDANS (ARANEIDA: OXYOPIDAE).
W H Whitcomb R Eason
Fla Entomol 48(3):163-167, 8 REFS., 1 TAB., 1 FIG.
Sep 1965 420 F662
Peucetia.

4007-68
LAPHYSTIA LOEW IN NORTH AMERICA (DIPTERA: ASILIDAE).
J Wilcox
Entomol Soc Amer Ann 53(3):328-346
May 1960 420 EN82
Asilidae, North America.

4008-68
BIONOMICS OF THE PEAR PSYLLA, PSYLLA PYRICOLA FOERSTER IN PEAR ORCHARDS OF THE KOOTENAY VALLEY OF BRITISH COLUMBIA, 1960.
W H A Wilde
Can Entomol 94(8):845-849
Aug 1962 421 C16
British Columbia, Insect ecology, Pears, Psylla.

4009-68
CERATOPOGONIDAE (DIPTERA) REARED FROM CACTI, WITH A REVIEW OF THE COPIOSUS GROUP OF EULICOIDES.
W W Wirth A A Hubert
Entomol Soc Amer Ann 53(5):639-658
Sep 1960 420 EN82
Ceratopogonidae, Culicoides, Dasyhelea, Forcipomyia, Southwestern United States.

4010-68
RESISTANCE TO THE POTATO LEAFHOPPER IN LIMA BEAN LINES, INTERSPECIFIC PHASEOLUS CROSSES, PHASEOLUS SPP., THE COWPEA, AND THE BONAVIST BEAN.
D Wolfenbarger J P Sleesman
J Econ Entomol 54(6):1077-1079, 6 REFS.
Dec 1961 421 J822
Beans, Cowpeas, Empoasca fabae, Lima beans, Plant insect resistance, Population statistics.

4011-68
SOME INTERESTING ASPECTS OF ORIBATID ECOLOGY (ACARINA).
T A Woolley
Entomol Soc Amer Ann 53(2):251-253
Mar 1960 420 EN82
Food habits, Insect dissemination, Insect ecology, Oribatidae.

4012-68
FLIGHT DISTANCES OF DROSOPHILA DETERMINED WITH RADIOACTIVE PHOSPHORUS.
A P Yerington R M Warner
J Econ Entomol 54(3):425-428, 9 REFS., 1 TAB.
Jun 1961 421 J822
Drosophila melanogaster, Phosphorus, Radioactive tracers, Zoogeography.

4013-68
THE COLORS OF DESERT WATER BEETLES - ENVIRONMENTAL EFFECT OF PROTECTIVE COLORATION.
P N Young
Entomol Soc Amer Ann 53(3):422-425
May 1960 420 EN82
Aquatic insects, Dytiscidae, Hydrophilidae, Insect protective devices, Mexico, Polymorphism, Sonora desert, Southwestern United States.

Physiology and Biochemistry

4014-68
SCIENTISTS CHEMOSTERILIZE PINK BOLLWORMS.
Agr Chem 20(10):99
Oct 1965 381 AG8
Chemosterilants, Heliothis zea, Metepa.

4015-68
EFFECT OF LARVAL DIET ON THE SEASONAL OCCURRENCE OF DIAPAUSE IN THE PINK BOLLWORM.
P L Adkisson
J Econ Entomol 54(6):1107-1112, 13 REFS.
Dec 1961 421 J822
Cotton, Diapause, Diet, Larvae, Pectinophora gossypiella.

4016-68
THE PENETRATION AND EXCRETION OF P32 LABELLED DIAZINON IN THE AMERICAN COCKROACH.
S E Afifi C C Roan
Kans Entomol Soc J 34(2):87-91, 4 REFS., 2 TABS.
Apr 1961 420 K13
Diazinon, Excretion, Insect metabolism, Periplaneta, Phosphorus 32.

4017-68
A NEW DDT-<METABOLIZING ENZYME IN THE GERMAN COCKROACH.
M Agosin D Michaeli R Miskus S Nagasawa W M Hoskins
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Apr 1961 421 J822
Blatta germanica, Dicofol, DDT , Enzymes, Metabolism.

4018-68
ADJUVANTS INCREASING THE RESIDUAL ACTIVITY OF PHOSDRIN.
H E Aller J E Dewey
J Econ Entomol 54(3):508-510
Jun 1961 421 J822
Cellosize WP-4400, Dichlorvos, Dri-Die 67, Methocel MC-4000, Mevinphos, Naled, Nuchar C-115N, Plyac, Prorex-1.

4019-68
THE ABSORPTION AND METABOLISM OF C14-LABELED ENDOSULFAN IN THE HOUSE FLY.
W W Barnes G W Ware
J Econ Entomol 58(2):286-291, BIBL. 290-291
Apr 1965 421 J822
Absorption (biological), C14, Endosulfan, Metabolism, Musca domestica.

4020-68
A QUANTITATIVE AND QUALITATIVE STUDY OF SUGARS FOUND IN TOBACCO AS AFFECTED BY THE GREEN PEACH APHID, MYZUS PERSICAE, AND ITS BONEYDEW.
R L Baron F E Guthrie
Entomol Soc Amer Ann 53(2):220-228
Mar 1960 420 EN82
Amino acids, Honeydew, Insect metabolism, Myzus, Oligosaccharides, Plant extracts, Sugars, Tobacco.

4021-68
FIELD STUDIES WITH BAITS AGAINST SOLENOPSIS SAEVISSIMA V. RICHTERI, THE IMPORTED FIRE ANT.
F J Bartlett C S Lofgren
J Econ Entomol 54(1):70-73
Feb 1961 421 J822
Baits, Kepone, Oils, Solenopsis.

4022-68
THE EUROPEAN CORN BORER, PYRAUSTA NUBIALIS (HUBN.), AND ITS PRINCIPAL HOST PLANT. VII. LARVAL FEEDING BEHAVIOR AND HOST PLANT RESISTANCE.
S D Beck
Entomol Soc Amer Ann 53(2):206-212
Mar 1960 420 EN82
Antibiosis, Benzothiazole compounds, Corn, Feeding, Larvae, Methoxybenzoxazolinone, 6-, Plant pest resistance, Pyrausta.

4023-68
TANNIC ACID AS A REPELLENT AND TOXICANT TO ALFALFA WEEVIL LARVAE.
S E Bennett
J Econ Entomol 58(2):372
Apr 1965 421 J822
Alfalfa, Hypera, Insect repellents, Tannic acids.

4024-68
BENZENE HEXACHLORIDE EMULSION FOR CONTROLLING BLACK TURPENTINE BEETLE IN LOGGINS AREAS.
W H Bennett
J Econ Entomol 58(2):358, 1 REF.
Apr 1965 421 J822
Benzene hexachloride, Dendroctonus, Insect control, Tree diseases.

4025-68
ESTERASE ACTIVITY AND SUSCEPTIBILITY TO PARATHION AT DIFFERENT STAGES IN THE LIFE CYCLE OF ORGANOPHOSPHOROUS-RESISTANT AND SUSCEPTIBLE HOUSE FLIES.
W S Bigley F W Plapp Jr
J Econ Entomol 54(5):904-907, 7 REFS.
Aug 1961 421 J822
Diazinon, Esterases, Musca domestica, Parathion.

4026-68
THE RELATIONSHIP OF SPIDER MITE INFESTATION IN COTTON TO EARLY SEASON USE OF INSECTICIDES.
W P Boyer R Bell
Kans Entomol Soc J 34(3):132-134, 5 REFS., 1 TAB.
Jul 1961 420 K13
Cotton, Insecticide application, Parasitic insects, Tetranychidae.

4027-68
A LABORATORY REARING METHOD AND DOSAGE-MORTALITY DATA ON THE BOLLWORM, HELIOTHIS ZEA.
J R Brazzel H Chambers P J Hamman
J Econ Entomol 54(5):949-952, 6 REFS.
Aug 1961 421 J822
Diet, Heliothis zea, Insect rearing, Larvae.

4028-68
A SIMPLIFIED TECHNIQUE FOR STERILIZING THE SURFACE OF AEDES AEGYPTI EGGS.
B A Butt J C Keller
J Econ Entomol 54(4):813-814, 2 REFS.
Aug 1961 421 J822
Aedes, Anthonomus grandis.

4029-68
THE TOXICITY OF SOME PHOSPHOROTHIOIC ACID ESTERS TO THE TWO-SPOTTED SPIDER MITE.
B A Butt J C Keller
J Econ Entomol 54(6):1259-1260
Dec 1961 421 J822
Fenthion, Malathion, Tetranychidae.

4030-68
SUSCEPTIBILITY OF BOLL WEEVILS TO SOME PHOSPHORODITHIOIC ACID ESTERS.
B A Butt J C Keller
J Econ Entomol 54(4):812-813, 1 REF.
Aug 1961 421 J822
Anthonomus grandis, Cotton, Dieldrin, Toxaphene.

4031-68
OBSERVATIONS ON THE HABITS OF LARVAE AND ADULTS OF CALLIDIUM TEXANUM SCHAEFFER (COLEOPTERA: CERAMBYCIDAE).
J A Chemsak
Kans Entomol Soc J 35(3):321-323, 3 REFS., 1 FIG.
Jul 1962 420 K13
Callidium, Insect biology, Juniperus, Larvae, Parasitic insects.

4032-68
THE HAEMOCYTES OF NONDIAPAUSE AND DIAPAUSE LARVAE AND PUPAE OF THE PINK BOLLWORM.
E W Clark Chadbourne
Entomol Soc Amer Ann 15(5):682-685
Sep 1960 420 EN82
Blood cells, Diapause, Larvae, Pectinophora, Pupae.

4033-68
A COMPARATIVE STUDY OF THE FREE AMINO ACIDS AND CARBOHYDRATES OF THE PINK BOLLWORM, PECTINOPHORA GOSSYPIELLA.
E W Clark
Entomol Soc Amer Ann 53(3):439
May 1960 420 EN82
Amines, Amino acids, Carbohydrates, Pectinophora gossypiella.

4034-68
THE EFFECTS OF SOME INSECTICIDES ON THE METABOLITES OF BLATTELLA GERMANICA.
H B Clark A Butz
J Econ Entomol 54(5):1022-1024, 9 REFS.
Aug 1961 421 J822
Blattella germanica, Fats, Glucose, Glycogen, Metabolites, Water.

4035-68
FIELD TESTS WITH DI-SYSTON GRANUELS FOR THRIPS CONTROL ON COTTON.
T C Cleveland G L Smith
J Econ Entomol 58(2):364-365, 3 TABS.
Apr 1965 421 J822
Cotton, Disulfoton, Frankliniella, Insect control.

4036-68
DEVELOPMENT OF RESISTANCE TO SYNERGIZED PYRETHRINS IN BODY LICE, AND CROSS RESISTANCE TO DDT. .
M M Cole P H Clark
J Econ Entomol 54(4):649-651, 19 REFS.
Aug 1961 421 J822
Allethrin, DDT , Malathion.

4037-68
EVIDENCE FOR A POTENT SEX ATTRACTANT IN THE INTRODUCED PINE SAWFLY, DIPRION SIMILIS (HYMENOPTERA: DIPRIONIDAE).
H C Coppel J E Casida W C Dauterman
Entomol Soc Amer Ann 53(4):510-512
Jul 1960 420 EN82
Diprion, Sex attractants.

4038-68
A COMPARISON OF SOME HOUSE FLY BIOASSAY METHODS.
P A Dahm J Gurland I Lee J Berlin
J Econ Entomol 54(2):343-347, 14 REFS., 3 TABS.
Apr 1961 421 J822
Biological assay, DDT , Insecticide resistant insects, Musca domestica.

4039-68
BIOLOGICAL OBSERVATIONS ON HEMIHALICTUS LUSTRANS, WITH A DESCRIPTION OF THE LARVA (HYMENOPTERA: HALICTIDAE).
H W Daly
Kans Entomol Soc J 34(3):134-141, 5 REFS., 14 FIGS.
Jul 1961 420 K13
Hemihalictus, Larvae, Nesting habits, Pyrrhopapptus.

4040-68
A FLATID PLANTHOPPER, METCALFA PRUINOSA.
H A Dean J C Bailey
J Econ Entomol 54(6):1104-1106, 9 REFS., 2 FIGS.
Dec 1961 421 J822
Citrus, Metamorphosis, Metcalfa, Psilodryinus, Texas.

4041-68
THE EFFECTS OF GAMMA-RAY IRRADIATION ON CERTAIN SPECIES OF STORED-PRODUCT INSECTS.
N M Dennis
J Econ Entomol 54(1):211-213
Feb 1961 421 J822
Gamma rays, Insects.

4042-68
CONTINUOUS PROPAGATION OF THE HORN FLY, HAEMATOBIA IRRITANS (L.) (DIPTERA: MUSCIDAE).
K R Depner
Can Entomol 94(8):893-895
Aug 1962 421 C16
Diptera, Haematobia, Insect rearing, Muscidae, Reproduction.

4043-68
THE HABITS AND SEASONAL ABUNDANCE OF ORIUS INSIDIOUS (SAY) (HEMIPTERA-HETEROPTERA: ANTHOCORIDAE) ON CORN.
F F Dicke J L Jarvis
Kans Entomol Soc J 35(3):339-344, 6 REFS., 5 TABS.
Jul 1962 420 K13
Corn, Insect behavior, Orius, Parasitic insects.

4044-68
LABORATORY TESTS OF RESIDUES OF ORGANOPHOSPHORUS COMPOUNDS AGAINST HOUSE FLIES.
G W Eddy
J Econ Entomol 54(2):386-388, 3 TABS., 3 REFS.
Apr 1961 421 J822
Diazinon, Dichlorvos, Musca domestica, Naled, Parathion.

4045-68
RELATION OF THE RATE OF PENETRATION AND METABOLISM TO THE TOXICITY OF SEVIN TO THREE INSECT SPECIES.
M E Eldefrawi W M Hoskins
J Econ Entomol 54(3):401-405, 8 REFS., 5 FIGS.
Jun 1961 421 J822
Absorption, Blatta germanica, Carbaryl, Metabolism, Musca domestica, Toxicology.

4046-68
THE OVIPOSITION OF ENALLAGMA EXSULANS. (ODONATA: AGRIONIDAE).
C H Eriksen
Entomol Soc Amer Ann 53(3):439
May 1960 420 EN82
Enallagma, Insect eggs, Oviposition.

4047-68
FACTORS INFLUENCING PINK BOLLWORM PUPATION AND MOTH EMERGENCE FROM OVERWINTERING LARVAE IN CENTRAL TEXAS.
L C Fife
J Econ Entomol 54(5):908-913, 3 REFS., 3 FIGS.
Aug 1961 421 J822
Cotton, Larvae, Moths, Pectinophora gossypiella, Pupae, Texas.

4048-68
THE PARASITIC HYMENOPTERA: SPECIALISTS IN POPULATION REGULATION.
S E Flanders
Can Entomol 94(11):1133-1147
Nov 1962 421 C16
Ibalia, Parasitism, Rhyssa, Sirex.

4049-68
BIOLOGY AND IMMATURE STAGES OF ATRICHOMELINA PUBERA (DIPTERA: SCIOMYZIDAE).
B A Foote A Neff C O Berg
Entomol Soc Amer Ann 53(2):192-199
Mar 1960 420 EN82
Atrichomelina, Food habits, Insect ecology, Larvae, Metamorphosis, Sciomyzidae, Zoogeography.

4050-68
DIETARY INOSITOL REQUIREMENT OF PERIPLANETA AMERICANA (L.).
A J Forgash R F Moore
Entomol Soc Amer Ann 53(1):91-94
Jan 1960 420 EN82
Inositol, Insect nutrition, Periplaneta.

4051-68
HERCULES AC-5722 AS A RESIDUAL SPRAY FOR ADULT MOSQUITOES.
J B Gahan G C LaBreque H G Wilson
J Econ Entomol 54(1):63-67
Feb 1961 421 J822
Anopheles, Culicidae, Hercules AC-5722, Isopropylphenyl methyl-carbamate-m.

4052-68
REARING THE WESTERN CORN ROOTWORM IN THE LABORATORY.
B W George E E Ortman
J Econ Entomol 58(2):375-377, 6 REFS., 2 FIGS.
Apr 1965 421 J822
Diabrotica, Insect rearing.

10 4053-68

4053-68
SYNERGISM OF CARBAMATE INSECTICIDES WITH OCTACHLORODIPROPYL ETHER.
G P Georghiou R L Metcalf
J Econ Entomol 54(1):150-152
Feb 1961 421 J822
Ether, bis-(2,3,3,3-tetrachloropropyl), Insecticide synergists, Musca domestica, O.D.E. , Octachlorodipropyl ether, Pyrethrum.

4054-68
STABILITY OF ALLETHRIN AND KEROSENE SOLUTIONS OF IT IN STORAGE AS DEMONSTRATED BY BIOASSAY.
W A Gersdorff P G Piquett N Mitlin
J Econ Entomol 54(4):731-733, 6 REFS.
Aug 1961 421 J822
Allethrin, Hydroquinone, Kerosine, Musca domestica.

4055-68
THE RELATIVE EFFECTIVENESS OF TWO SYNTHETIC PYRETHROIDS MORE TOXIC TO HOUSE FLIES THAN PYRETHRINS IN KEROSENE SPRAYS.
W A Gersdorff P G Piquett
J Econ Entomol 54(6):1250-1252, 13 REFS.
Dec 1961 421 J822
Allethrin, Biological assay, Kerosine, Musca domestica, Pyrethrum.

4056-68
REPRODUCIBILITY OF THE TOXICITY RATIO OF ALLETHRIN TO PYRETHRINS APPLIED TO HOUSE FLIES BY THE TURNTABLE METHOD.
W A Gersdorff P G Piquett N Mitlin N Green
J Econ Entomol 54(3):580-583, 22 REFS.
Jun 1961 421 J822
Allethrin, Musca domestica, Pyrethrum, Toxicology, Turntable method.

4057-68
THE OAK SKELETONIZER, BUCCULATRIX AINSLIELLA, IN A MICHIGAN WOODLOT.
C F Gibbons J W Butcher
J Econ Entomol 54(4):681-684, 6 REFS.
Aug 1961 421 J822
Bucculatrix, Metamorphosis, Michigan, Quercus rubra.

4058-68
HOUSE FLY NUTRITION. II. COMPARATIVE SURVIVAL VALUES OF SUCROSE AND WATER.
B Greenberg
Entomol Soc Amer Ann 53(1):125-128
Jan 1960 420 EN82
Insect nutrition, Longevity, Musca domestica, Sucrose, Water consumptive use.

4059-68
EXCRETION AND ITS PRODUCTS IN SOME STORED-GRAIN-INFESTING BEETLES.
P D Gupta R N Sinha
Entomol Soc Amer Ann 53(5):632-638
Sep 1960 420 EN82
Cryptolestes, Excreta, Grain, Sitophilus, Stored product insects, Tribolium.

4060-68
ALDRIN RESISTANCE IN CORN ROOTWORM BEETLES.
E W Hamilton
J Econ Entomol 56(2):296-300, 2 REFS.
Apr 1965 421 J822
Aldrin, Diabrotica, Diazinon, Insecticide resistant insects.

4061-68
EFFECT OF DOCKAGE ON THE EFFICIENCY OF 80:20 (CARBON TETRACHLORIDE:CARBON DISULFIDE BY VOLUME) AS A FUMIGANT FOR ADULT RICE WEEVIL, SITOPHILUS SASAKII (TAK.) IN WHEAT.
P K Harein
Kans Entomol Soc J 34(4):195-197, 4 REFS., 1 TAB.
Oct 1961 420 K13
Carbon disulfide, Carbon tetrachloride, Dockage, Dosage, Sitophilus, Wheat.

4062-68
CHILLING VS. OTHER METHODS OF IMMOBILIZING FLIES.
R L Harris R A Hoffman E D Frazar
J Econ Entomol 58(2):379-380, 1 REF., 1 TAB., 1 FIG.
Apr 1965 421 J822
Carbon dioxide, Haematobia, Immobilization, Refrigeration, Stomoxys.

4063-68
THE EFFECT OF TEDION ON THE EGGS AND LARVAE OF THREE STRAINS OF THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS.
T J Henneberry E A Taylor A L Boswell
J Econ Entomol 54(1):168-169
Feb 1961 421 J822
Tetradifon, Tetranychidae.

4064-68
MALATHION SYNERGISM AGAINST ORGANOPHOSPHATE-RESISTANT TWO-SPOTTED SPIDER MITES.
T J Henneberry W R Smith
J Econ Entomol 58(2):312-314, TABS.
Apr 1965 421 J822
Insecticide resistant insects, Malathion, Tetranychus.

4065-68
THE RELATIVE EFFECTS OF COCOON SUBMERGENCE ON THE MORTALITY OF THE LARCH SAWFLY, PRISTIPHORA ERICHSONII (HYMENOPTERA: TENTHREDINIDAE), AND ITS PARASITE BESSA HARVEYI (DIPTERA: TACHINIDAE).
B J Heron
Entomol Soc Amer Ann 53(4):476
Jul 1960 420 EN82
Bessa, Floods, Pristiphora, Pupae.

4066-68
PUPAL ESCAPE MECHANISM OF CERTAIN SATURNIID MOTHS.
H O Hilton
Fla Entomol 48(4):239-244, 2 REFS., 10 FIGS.
Dec 1965 420 F662
Metamorphosis, Platysamia, Telea.

4067-68
MANOMETRY CALIBRATION FOR INSECT RESPIRATION.
R Hoopingarner S D Beck
Entomol Soc Amer Ann 15(5):697
Sep 1960 420 EN82
Insect respiration, Manometry, Respirometers, Warburg apparatus.

4068-68
FUNCTIONS OF THE MADEIRA COCKROACH (LEUCOPHAEA MADERAE) ALIMENTARY TRACT IN THE ABSORPTION, METABOLISM, AND EXCRETION OF RONNEL.
T L Hopkins
J Econ Entomol 54(2):224-230, 8TABS
Apr 1961 421 J822
Absorption, Excretion, Gastrointestinal system, Leucophaea, Metabolism, Ronnel.

4069-68
DAILY RATE OF OVIPOSITION OF A BROOD OF THE MOSQUITO, AEDES VEXANS.
W R Horsfall
J Econ Entomol 54(4):806-807, 5 REFS.
Aug 1961 421 J822
Culicidae, Diptera, Eggs, Oviposition.

4070-68
FEEDING PREFERENCES OF THE COWPEA APHID AMONG SPECIES OF MELILOTUS.
W L Howe H J Gorz
Entomol Soc Amer Ann 15(5):696-697
Sep 1960 420 EN82
Aphis, Eumelilotus, Food preferences, Micromelilotus.

4071-68
METABOLISM OF INJECTED PROLINE IN DDT-POISONED GERMAN COCKROACHES.
W Hoy H T Gordon
J Econ Entomol 54(1):198-199
Feb 1961 421 J822
Blatta germanica, DDT , Metabolism, Proline.

4072-68
EFFECT OF CAPTAN UPON REPRODUCTION IN THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS.
P E Hunter
J Econ Entomol 54(1):205-206
Feb 1961 421 J822
Captan, Georgia, Reproduction, Tetranychidae.

4073-68
SOME NOTES ON SAPYGID PARASITISM IN THE NESTS OF CARPENTER BEES BELONGING TO THE GENUS XYLOCOPA LATREILLE (HYMENOPTERA: ACULEATEA).
P D Hurd J S Moure
Kans Entomol Soc J 34(1):19-22, 12 REFS., 1 FIG.

Jan 1961 420 K13
Parasitic insects, Polochrum, Xylocopa.

4074-68
TERRITORIALISM AND RESIDENTIALITY IN A DRAGON FLY, ORTHETRU ALBISTYLUM SPECIOSUM UHLER (ODONATA: ANISOPTERA).
Y Ito
Entomol Soc Amer Ann 15(6):851
Nov 1960 420 EN82
Insect behavior, Orthetrum, Oviposition, Territoriality.

4075-68
RELATION OF TEMPERATURE FOR HATCHING TO ELIMINATION OF DIAPAUSE IN EGGS OF THE PALE WESTERN CUTWORM, AGROTIS ORTHOGONIA MORRISON (LEPIDOPTERA: NOCTUIDAE).
L A Jacobson
Can Entomol 94(8):889-892
Aug 1962 421 C16
Agrotis, Diapause, Eggs, Lepidoptera, Noctuidae, Temperature.

4076-68
INFLUENCE OF PHOTOPERIOD ON OVIPOSITION BY THE ARMY CUTWORM, CHORIZAGROTIS AUXILIARIS (LEPIDOPTERA: NOCTUIDAE), IN AN INSECTARY.
L A Jacobson
Entomol Soc Amer Ann 53(4):474-475
Jul 1960 420 EN82
Chorizagrotis, Oviposition, Photoperiodism.

4077-68
PREDICTING MOTH FLIGHT AND OVIPOSITION OF EUROPEAN CORN BORER BY THE USE OF TEMPERATURE ACCUMULATIONS.
J L Jarvais T A Brindley
J Econ Entomol 58(2):300-302, TABS., 4 REFS.
Apr 1965 421 J822
Insect flight, Ostrinia, Oviposition, Temperature.

4078-68
STABLE FLY TOLERANCE TO RESIDUES OF DDT, DIELDRIN, MALATHION AND DIAZINON.
L Johnston T E Blakeslee
J Econ Entomol 54(3):528-530, 4 REFS.
Jun 1961 421 J822
Diazinon, Dieldrin, DDT , Insecticide residues, Malathion, Stomoxys.

4079-68
THE PHYSIOLOGY OF HATCHING OF AEDINE MOSQUITO EGGS: HATCHING STIMULUS.
C L Judson
Entomol Soc Amer Ann 15(5):688-691
Sep 1960 420 EN82
Aedes aegypti, Hatching, Insect eggs.

4080-68
THE UTILIZATION AND METABOLISM OF 4-C14-CHOLESTEROL BY THE ADULT HOUSE FLY.
J N Kaplanis W E Robbins L A Tabor
Entomol Soc Amer Ann 53(2):260-264
Mar 1960 420 EN82
Cholesterol, Dehyrocholesterol,7-, Insect eggs, Insect metabolism, Insect nutrition, Musca domestica, Sterols.

4081-68
DIAPAUSE IN THE SUGARCANE BORER, DIATRAEA SACCHARALIS.
K P Katiyar W H Long
J Econ Entomol 54(2):285-287
Apr 1961 421 J822
Diapause, Diatraea, Larvae.

4082-68
LABORATORY TESTS WITH SOME PHOSPHORIC ACID ESTERS AGAINST COTTON APHIDS.
J C Keller P A Butt
J Econ Entomol 54(6):1262
Dec 1961 421 J822
Aphididae, Bidrin, Cotton, Malathion, Naled, Phosphamidon.

4083-68
THE OLFACTORY GUIDANCE OF FLYING INSECTS. IV. DROSOPHILA.
F E Kellogg D E Frizel R H Wright
Can Entomol 94(8):884-888
Aug 1964 421 C16
Drosophila, Insect flight, Smell.

4084-68
EFFECT OF DIFFERENT LEVELS OF ILLUMINATION ON THE LIFE CYCLE OF THE FACE FLY.
R A Killough
J Econ Entomol 58(2):368-369, 3 REFS., 1 TAB.
Apr 1965 421 J822
Insect rearing, Lighting, Musca.

4085-68
EFFECT OF LIGHT ON THE TEMPERATURE PREFERENDUM OF LARVAE OF THE MEXICAN BEAN BEETLE, EPILACHNA VARIVESTIS.
E W King R C Riley
Entomol Soc Amer Ann 53(5):591-595
Sep 1960 420 EN82
Epilachna, Insect behavior, Larvae, Light, Temperature.

4086-68
FLUCTUATIONS IN RESPONSE OF MALE, KUN-<STRAIN HOUSE FLIES TO TOPICALLY-APPLIED MALATHION.
G F Krause C C Roan
Kans Entomol Soc J 34(2):101-104, 10 REFS., 3 TABS., 2 FIGS.
Apr 1961 420 K13
Biological assay, Insecticide resistant insects, Malathion, Musca domestica.

4087-68
EXTENDED DIAPAUSE IN EGGS OF HIGH-ALTITUDE SPECIES OF GRASSHOPPERS, AND A NOTE ON FOOD-PLANT PREFERENCES OF MELANOPLUS BRUNERI.
J B Kreasky
Entomol Soc Amer Ann 53(3):436-438
May 1960 420 EN82
Altitude, Chortippus, Cold, Diapause, Food plants, Grasshoppers, Insect eggs, Melanoplus, Rocky Mountains.

4088-68
HYDROLYSIS OF CERTAIN ORGANOPHOSPHATE INSECTICIDES BY HOUSE FLY ENZYMES.
H R Krueger J E Casida
J Econ Entomol 54(2):239-243
Apr 1961 421 J822
Esterases, Insecticides, Musca domestica, Phosphates.

4089-68
FEEDING AND OVIPOSITION HABITS OF THE JACK-PINE BUDWORM.
H M Kulman A C Hodson
J Econ Entomol 54(6):1138-1140, 5 REFS., 2 FIGS
Dec 1961 421 J822
Choristoneura, Feeding, Larvae, Oviposition, Pinus.

4090-68
POSTEMERGENCE CHANGES OF ENZYME ACTIVITY IN THE MOSQUITO, AEDES AEGYPTI (L.).
E N Lambremont
Entomol Soc Amer Ann 53(1):86-91
Jan 1960 420 EN82
Acid phosphatase, Adenosinetriphosphatase, Aedes aegypti, Aging, Sex.

4091-68
LONGEVITY OF THE BOLL WEEVIL UNDER LABORATORY CONDITIONS.
E N Lambremont N W Earle
J Econ Entomol 54(5):964-966, 7 REFS.
Aug 1961 421 J822
Anthonomus grandis, Longevity.

4092-68
DEVELOPMENT OF INSECTICIDE RESISTANCE IN THREE FIELD STRAINS OF HOUSE FLIES.
G C LaBreque H G Wilson
J Econ Entomol 54(6):1257-1258, 4 REFS.
Dec 1961 421 J822
Dichlorvos, Insecticide resistant insects, Malathion, Musca domestica, Trichlorfon.

4093-68
LABORATORY STUDIES OF THE TRANSLOCATION OF BENZENE HEXACHLORIDE IN RICE FOR CONTROL OF THE ASIATIC RICE BORER, CHILO SUPRESSALIS.
S Y Lee
J Econ Entomol 58(2):331-335, 6 REFS.
Apr 1965 421 J822
Benzene hexachloride, Chilo, Insect control, Plant translocation, Rice.

4094-68
LIMITATION ON THE PUPAL DEVELOPMENT OF THE EYE-SPOTTED BUD MOTH IN NORTHEASTERN WISCONSIN.
E F Legner E R Oatman
J Econ Entomol 58(2):359-360, 11 REFS., 1 TAB.

10 4095-68

Apr 1965 421 J822
Apples, Cherries, Insect morphology, Mortality, Spilonota.

4095-68
THE DISPERSION OF FIELD BEES ON ALFALFA IN RELATION TO A NEIGHBORING APIARY.
M D Levin
J Econ Entomol 54(3):482-484, 6 REFS.
Jun 1961 421 J822
Alfalfa, Apiaries, Apis mellifera, Red clover.

4096-68
LABORATORY EVALUATION OF INSECTICIDES AGAINST THE ADULT HORN FLY.
L F Lewis G W Eddy
J Econ Entomol 54(2):392-393, 2 REFS., 1 TAB.
Apr 1961 421 J822
Haematobia, DDT , Malathion, Methoxychlor, Toxaphene.

4097-68
THE LONGEVITY AND PRODUCTIVITY OF ADULT MALE AND FEMALE AEDES AEGYPTI WHEN REARED SEPARATELY AND TOGETHER ON THREE DIFFERENT DIETS.
J N Liles D M DeLong
Entomol Soc Amer Ann 53(2):277-280
Mar 1960 420 EN82
Aedes aegypti, Blood, Diet, Insect nutrition, Insect rearing, Longevity, Reproduction, Sex, Sucrose.

4098-68
FATE OF DDT AND TOXAPHENE APPLIED TOPICALLY TO SUSCEPTIBLE AND RESISTANT BOLL WEEVILS.
D A Lindquist J R Brazzel T B Davich
J Econ Entomol 54(2)299-300
Apr 1961 421 J822
Anthonomus grandis, DDT , Insecticide application, Insecticide resistant insects, Toxaphene.

4099-68
BRIEF NOTES ON THE HABITS OF PROTOXAEA (HYMENOPTERA: ANDRENIDAE).
E G Linsley C D Michener
Kans Entomol Soc J 35(4):385-389, 22 REFS., 1 FIG.
Oct 1962 420 K13
Bees, Insect behavior, Protoxaea.

4100-68
A LABORATORY EVALUATION OF ETHION WITH OTHER ACARICIDES AGAINST THE ADULT TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS.
P C Lippold
J Econ Entomol 54(1):166-167
Feb 1961 421 J822
Demeton, Diazinon, Dicofol, Dioxathion, Ethion, Parathion, Tetranychidae.

4101-68
SEASONAL OCCURRENCE OF DIAPAUSE IN THE BOLL WEEVIL IN MISSISSIPPI.
E P Lloyd M E Merkl
J Econ Entomol 54(6):1214-1216, 2 REFS.
Dec 1961 421 J822
Anthonomus grandis, Diapause, Mississippi, Weather.

4102-68
EFFECT OF SOME VARIATION IN FORMULATION OR APPLICATION PROCEDURE ON CONTROL OF THE IMPORTED FIRE ANT WITH SOME GRANULAR HEPTACHLOR.
C S Lofgren V E Adler W F Barthel
J Econ Entomol 54(1):45-47
Feb 1961 421 J822
California, Heptachlor, Insecticide application, Solenopsis.

4103-68
FURTHER STUDIES ON THE RELATIONSHIP BETWEEN PARENTAL AGE AND THE LIFE CYCLE OF THE MEALWORM, TENEBRIO MOLITOR.
D Ludwig C Fiore
Entomol Soc Amer Ann 53(5):595-600
Sep 1960 420 EN82
Aging, Longevity, Metamorphosis, Temperature, Tenebrio, Water consumptive use.

4104-68
TWO SIMPLE DEVICES FOR REARING APHIDS.
M J Mackauer H E Bisdee
J Econ Entomol 58(2):365-366, 1 REF., 3 FIGS.
Apr 1965 421 J822
Acyrthosiphon, Insect cages, Insect rearing, Polytetrafluoroethylene.

4105-68
A TECHNIQUE FOR INDIVIDUAL REARING OF SMALL PHYTOPHAGOUS INSECTS.
M E Martignoni J E Milstead
J Econ Entomol 54(3):609-610, 6 REFS., 1 FIG.
Jun 1961 421 J822
Alfalfa, Insect rearing, Lepidoptera.

4106-68
STUDIES OF RELATIVE GROWTH IN GERRIDAE (4) (HEMIPTERA: HETEROPTERA).
R Matsuda
Kans Entomol Soc J 34(1):5-17, 2 REFS., 3 TABS., 5 FIGS.
Jan 1961 420 K13
Antennae, Body, Development, Gerridae, Legs, Platygerris, Segments.

4107-68
DEVELOPMENT OF THE EUROPEAN CORN BORER AT CONTROLLED CONSTANT AND VARIABLE TEMPERATURES.
J W Matteson G C Decker
J Econ Entomol 58(2):344-349, BIBL. 348-349, TABS.
Apr 1965 421 J822
Eggs, Larvae, Metamorphosis, Ostrinia, Pupae, Temperature.

4108-68
AUXIN CONTENT OF EXTRACTS OF HOST PLANTS AND HONEYDEW OF DIFFERENT BIOTYPES OF THE CORN LEAF APHID, RHOPALOSIPHUM MAIDIS (FITCH).
F G Maxwell R H Painter
Kans Entomol Soc J 35(2):219-233, 8 REFS., 3 TABS., 13 FIGS.
Apr 1962 420 K13
Extracts, Honeydew, Indoleacetate, Indoleacetic acid, Indolebutyric acid, Indolepyruvic acid, Plant hormones, Rhopalosiphum.

4109-68
MASS-REARING THE CABBAGE LOOPER, TRICHOPLUSIA NI, WITH NOTES ON ITS BIOLOGY IN THE LABORATORY.
P L McEwen G E R Hervey
Entomol Soc Amer Ann 53(2):229-234
Mar 1960 420 EN82
Food habits, Insect diseases, Insect rearing, Reproduction, Sanitation, Temperature, Trichoplusia.

4110-68
DEVELOPMENT AND ABSORPTION OF EGGS IN BUMBLEBEES (HYMENOPTERA: APIDAE).
J T Medler
Can Entomol 94(8):825-833
Aug 1962 421 C16
Apidae, Bombus, Eggs, Hymenoptera, Metamorphosis.

4111-68
THE GENUS CERATINA IN AUSTRALIA, WITH NOTES ON ITS NESTS (HYMENOPTERA: APOIDEA).
C D Michener
Kans Entomol Soc J 35(4):415-421, 10 REFS., 6 FIGS.
Oct 1962 420 K13
Bees, Ceratini, Insect ecology, Nesting.

4112-68
THE EFFECTS OF DDT ON OXIDATIVE METABOLISM IN SUSCEPTIBLE AND DDT-<RESISTANT AEDES AEGYPTI.
D W Micks M R V Murthy
J Econ Entomol 54(3):461-465, 12 REFS., 4 FIGS.
Jun 1961 421 J822
Aedes, DDT , Metabolism.

4113-68
TEMPORARY STORAGE OF LIVING SOIL AND BARK INHABITING COLEOPTEROUS LARVAE IN WATER.
I Millers
J Econ Entomol 54(3):610-611, 1 REF.
Jun 1961 421 J822
Bark, Hylobius, Larvae, Storage, Water.

4114-68
DETERMINATION OF NUCLEIC ACIDS IN THE TESTES OF THREE COCKROACH SPECIES.
N Mitlin
Entomol Soc Amer Ann 53(4):491-494
Jul 1960 420 EN82
Blaberus, Blattidae, Deoxyribonucleic acid, Leucophaea, Nauphoeta, Nucleic acids, Pentose nucleic acid, Testes.

4115-68
EFFECT OF DIETARY CHOLESTEROL ON HOUSE FLY REPRODUCTION.
R E Monroe
Entomol Soc Amer Ann 15(6):821-824

Nov 1960 420 EN82
Cholesterol, Diet, Insect nutrition, Musca domestica, Reproduction.

4116-68
LOSS OF ATTRACTIVENESS TO BESSA HARVEYI (TNS.) (DIPTERA: TACHINIDAE) OF HOST LARVAE DURING COLD STORAGE.
L G Monteith
Can Entomol 94(8):881-883
Aug 1962 421 C16
Bessa, Cold storage, Diptera, Larvae, Tachinidae.

4117-68
THE EFFECT OF SEVIN ON HONEY BEES.
R A Morse
J Econ Entomol 54(3):566-568, 1 REF.
Jun 1961 421 J822
Apis mellifera, Carbaryl.

4118-68
LOCALIZATION AND ACTION OF THE RESPIRATORY CENTRE OF THE CUBAN BURROWING COCKROACH.
T. Myers
J Insect Physiol 9(5):607-614
Oct 1963 421 J825
Cuban burrowing cockroach, Insect respiration.

4119-68
A COMPARISON OF METHODS FOR QUANTITATIVE ESTIMATION OF HYPOXANTHINE, XANTHINE, AND URIC ACID IN INSECT MATERIAL.
J L Nation K K Thomas
Fla Entomol 48(3):183-186, 13 REFS., 2 TABS.
Sep 1965 420 F662
Galleria, Hypoxanthine, Uric acid, Xanthine.

4120-68
CONTROLLING FLUCTUATIONS OF DURATION OF DEVELOPMENTAL PERIOD IN DROSOPHILA.
H W Neunes
Kans Entomol Soc J 35(2):269-278, 13 REFS., 1 TAB., 2 FIGS.
Apr 1962 420 K13
Drosophila melanogaster, Humidity, Insecticide resistant insects, Larvae, Pupae, Temperature.

4121-68
THE UPTAKE AND METABOLISM OF PARATHION BY INSECT EGGS.
R D O Brien E H Smith
J Econ Entomol 54(1):187-191
Feb 1961 421 J822
Insect eggs, Ovicides, Parathion.

4122-68
EFFECTS OF PREBLOSSOM MITICIDES AND SUBSEQUENT INSECTICIDE APPLICATIONS ON MITE POPULATIONS ON APPLE IN WISCONSIN.
E R Oatman
J Econ Entomol 58(2):335-343, BIBL. 342-343
Apr 1965 421 J822
Amblyseius, Apples, Captan, Carbaryl, Chlorbenside, Insecticide application, Lead arsenate, Mites, Panonychus, Ryania, Tetradifon, Tetranychus, Typhlodromus.

4123-68
EFFECTS OF MALATHION AND PIPERONYL BUTOXIDE COMBINATIONS ON THE RATE OF OXYGEN CONSUMPTION OF HOUSE FLIES.
M T Ouye R Lallan C C Roan
Kans Entomol Soc J 34(2):64-73, 9 REFS., 3 TABS., 5 FIGS.
Apr 1961 420 K13
Insect respiration, Malathion, Musca domestica.

4124-68
BIOLOGY AND CONTROL OF THE SPITTLEBUG PROSAPIA BICINCTA IN COASTAL BERMUDA GRASS.
B C Pass J K Reed
J Econ Entomol 58(2):275-278, TABS., 8 REFS.
Apr 1965 421 J822
Azinphosmethyl, Carbaryl, Cynodon dactylon, DDT , Endosulfan, Endrin, Heptachlor, Insect pests, Malathion, Mevinphos, Prosapia.

4125-68
THE TOXICITY OF ENZYME FRACTIONS OF BACILLUS LARVAE.
N G Patel L K Cutkomp
J Econ Entomol 54(4):773-777, 13 REFS.
Aug 1961 421 J822
Apis mellifera, Bacillus, Blattella germanica, Enzymes, Larvae, Musca domestica, Toxicology.

4126-68
SOME EGGS OF MOTHS AMONG THE OLETHREUTIDAE AND TORTRICIDAE (LEPIDOPTERA).
A Peterson
Fla Entomol 48(1):1-8, 7 REFS., 30 FIGS.
Mar 1965 420 F662
Moths, Olethreutidae, Ova, Tortricidae.

4127-68
EGG TYPES AMONG MOTHS OF THE NOCTUIDAE (LEPIDOPTERA).
A Peterson
Fla Entomol 47(2):71-91, 5 REFS., 90 FIGS.
Jun 1964 420 F662
Agrotis, Catocala, Heliothis zea, Noctuidae.

4128-68
FIELD BEHAVIOR OF THE ADULT BOLLWORM, HELIOTHIS ZEA (BODDIE).
J R Phillips W H Whitcomb
Kans Entomol Soc J 35(2):242-246, 8 REFS., 3 FIGS.
Apr 1962 420 K13
Corn, Cotton, Feeding, Heliothis, Moths, Reproduction.

4129-68
DEVELOPMENT, SURVIVAL AND REPRODUCTION OF MELANOPLUS BILITURATUS (WLK.) (ORTHOPTERA: ACRIDIDAE) REARED ON VARIOUS FOOD PLANTS.
R Pickford
Can Entomol 94(8):859-869
Aug 1962 421 C16
Acrididae, Feeding, Melanoplus, Metamorphosis, Orthoptera, Reproduction.

4130-68
OVERWINTERING HABITS OF HOMALODISCA COAGULATA, THE PRINCIPAL NATURAL VECTOR OF PHONY PEACH DISEASE VIRUS.
H N Pollard G H Kaloostian
J Econ Entomol 54(4):810-811
Aug 1961 421 J822
Hibernation, Homalodisca, Insect vectors, Phony disease (peaches).

4131-68
LIFE HISTORY STUDIES OF THE ARMYWORM, PSEUDALETIA UNIPUNCTA (LEPIDOPTERA: NOCTUIDAE), IN NEW BRUNSWICK.
D D Pond
Entomol Soc Amer Ann 53(5):661-665
Sep 1960 420 EN82
Insect biology, New Brunswick, Pseudaletia.

4132-68
BIOLOGICAL NOTES ON CULISETA MINNESOTA BARR AND CULISETA MORSITANS (THEOBALD) (DIPTERA: CULCIDAE).
R D Price
Kans Entomol Soc J 34(1):22-26, 11 REFS., 2 FIGS.
Jan 1961 420 K13
Aedes, Culcidae, Culiseta, Hibernation, Life cycles, Marshes, Swamps.

4133-68
OVIPOSITION RESPONSE OF THE ARMY CUTWORM, CHORIZAGROTIS AUXILIARIS, TO DIFFERENT MEDIA.
K P Pruess
J Econ Entomol 54(2):273-277
Apr 1961 421 J822
Chorizagrotis, Ovipositors, Wheat.

4134-68
TOXICITY OF HYDROGEN PHOSPHIDE TO THE GRANARY WEEVIL, SITOPHILUS GRANARIUS, AND OTHER INSECTS.
A H Qureshi E J Bond H A U Monro
J Econ Entomol 58(2):324-331, 27 REFS.
Apr 1965 421 J822
Fumigants, Phosphine, Sitophilus, Tenebrio, Tenebroides, Tribolium.

4135-68
BIOLOGICAL STUDIES OF POLISTES IN NORTH CAROLINA (HYMENOPTERA: VESPIDAE).
R L Rabb
Entomol Soc Amer Ann 53(1):111-121
Jan 1960 420 EN82
Food habits, Hymenoptera, Insect behavior, Insect biology, Insect ecology, North Carolina, Polistes, Predaceous insects, Vespidae.

4136-68
A COMPARISON OF PROCEDURES FOR MAKING ADULT ENDOPARASITIC WASPS WITH P32.
G W Rahalkar R L Doutt

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J Econ Entomol 58(2):278-281, TABS., 8 REFS.
Apr 1965 421 J822
Parasitic insects, Phanerotoma, Radioactive tracers.

4137-68
NOTES ON HOST SPECIFICITY AND BEHAVIOR OF MYRMECOPHILOUS MACROCHELID MITES.
C W Rettenmeyer
Kans Entomol Soc J 35(4):358-360
Oct 1962 420 K13
Aethosoma, Insect behavior, Insect ecology, Macrocheles, Myrmecophilous insects, Parasitic insects.

4138-68
EFFECT OF GAMMA RADIATION ON THE REPRODUCTIVE POTENTIAL OF THE MEXICAN FRUIT FLY.
R H Rhode D Lopez F Eguisa J Telich
J Econ Entomol 54(1):202-203
Feb 1961 421 J822
Anastrepha, Gamma rays, Sterilization.

4139-68
ACTIVITY OF LARVAE AND PUPAE OF THE PINK BOLLWORM SUBJECTED TO BURIAL.
C A Richmond E W Clark
J Econ Entomol 54(4):789-791, 1 REF.
Aug 1961 421 J822
Burial, Larvae, Pectinophora gossypiella, Pupae.

4140-68
EFFECT OF TEMPERATURE ON THE RATE OF DEVELOPMENT OF LYGUS LINEOLARIS (HEMIPTERA: MIRIDAE).
R L Ridgway G G Gyrisco
Entomol Soc Amer Ann 15(5):691-694
Sep 1960 420 EN82
Insect morphology, Lygus, Temperature.

4141-68
UTILIZATION OF 1-C14-ACETATE IN LIPID SYNTHESIS BY ADULT HOUSE FLIES.
W E Robbins J N Kaplanis S J Louloudes R E Monroe
Entomol Soc Amer Ann 53(1):128-129
Jan 1960 420 EN82
Acetates, Fatty acids, Insect metabolism, Lipids, Musca domestica, Sex, Sterols.

4142-68
EFFECTS OF GIBBERELLIN ON NUTRITION OF THE MITES, TETRANYCHUS TELARIUS AND PANONYCHUS ULMI.
J G Rodriguez J M Campbell
J Econ Entomol 54(5):984-987, 6 REFS.
Aug 1961 421 J822
Beans, Cotton, Gibberellins, Insect nutrition, Panonychus, Tetranychus.

4143-68
STUDIES ON THE POSTIRRADIATION FEEDING ACTIVITY OF TRIBOLIUM CASTANEUM (TENEBRIONIDAE: COLEOPTERA).
W I Rogers J D Hilchey
Entomol Soc Amer Ann 53(5):584-590
Sep 1960 420 EN82
Feeding, Irradiation, Tribolium.

4144-68
BIOLOGY OF THE BROWN STINK BUG, EUSCHISTUS SERVUS SAY.
L H Rolston R L Kendrick
Kans Entomol Soc J 34(3):151-157, 10 REFS., 5 TABS., 2 FIGS.
Jul 1961 420 K13
Euschistus, Hibernation, Insect pests, Metamorphosis.

4145-68
STUDIES ON TOTAL BLOOD CELL COUNTS OF THE SOUTHERN ARMYWORM LARVA, PRODENIA ERIDANIA (LEPIDOPTERA).
C R Rosenberger J C Jones
Entomol Soc Amer Ann 53(3):351-355
May 1960 420 EN82
Blood cells, Larvae, Prodenia.

4146-68
SPERM PRECEDENCE IN THE FERTILIZATION OF EGGS IN TRIBOLIUM CASTANEUM.
G Schlager
Entomol Soc Amer Ann 53(5):557-560
Sep 1960 420 EN82
Insect eggs, Tribolium.

4147-68
THE BIOLOGY, BEHAVIOR, AND MORPHOLOGY OF PRAON PALITANS MUESEBECK, AN INTERNAL PARASITE OF THE SPOTTED ALFALFA APHID THERIOAPHIS MACULATA (BUCKTON) (HYMENOPTERA: BRACONIDAE, APHIDIINAE.
E I Schlinger J C Hall
Entomol Soc Amer Ann 53(2):144-160
Mar 1960 420 EN82
Aphidiinae, Braconidae, Insect behavior, Insect biology, Insect morphology, Parasitic insects, Praon, Therioaphis.

4148-68
THE TOXICOLOGICAL ACTION OF THREE ORGANOPHOSPHORUS INSECTICIDES WITH THREE SPECIES OF MOSQUITO LARVAE.
C H Schmidt D E Weidhaas
J Econ Entomol 54(3):583-586, 5 REFS.
Jun 1961 421 J822
Aedes, Dieldrin, Dimethoate, DDT , Larvae, Toxicology.

4149-68
PROVISIONAL EMBRYONIC CUTICLES OF DYSDERCUS CINGULATUS (HEMIPTERA: PYRRHOCORIDAE).
R K Sharan S L Sahni
Entomol Soc Amer Ann 53(4):538-541
Jul 1960 420 EN82
Cuticle, Cuticulin, Dysdercus, Insect morphology.

4150-68
A METHOD FOR FIELD DETECTION OF HORNFLY SUSCEPTIBILITY TO DDT RESIDUES.
J S Simco
Kans Entomol Soc J 35(1):167-170, 1 REF., 1 TAB., 1 FIG.
Jan 1962 420 K13
DDT , Insecticide residues, Insecticide resistant insects, Methodology, Siphona, Toxaphene.

4151-68
OXYGEN CONSUMPTION DURING THE POSTEMBRYONIC DEVELOPMENT OF PYRRHOCORIS APTERUS (HETEROMETABOLA: HETEROPTERA), AND ITS COMPARISON WITH THAT OF HOLOMETABOLA.
K Slama
Entomol Soc Amer Ann 53(5):606-610
Sep 1960 420 EN82
Heterometabola, Holometabola, Insect metabolism, Pyrrhocoris.

4152-68
INFLUENCE OF WATER AND PREVIOUS FOOD ON THE LONGEVITY OF UNFED LARVAE OF COLEOMEGILLA MACULATA LENGI.
B C Smith
J Econ Entomol 54(1):194-195
Feb 1961 421 J822
Coleomegilla, Food, Larvae, Water.

4153-68
FIELD TESTS FOR CONTROL OF OVERWINTERED BOLL WEEVILS.
G L Smith T C Cleveland J C Clark
J Econ Entomol 58(2):360-361, 1 REF., 1 TAB.
Apr 1965 421 J822
Anthonomus grandis, Azinphosmethyl, Dieldrin, DDT , Endrin, Hibernation, Insect control, Malathion, Methyl parathion, Toxaphene.

4154-68
SOME FACTORS AFFECTING PUPATION SITE OF DROSOPHILA.
R R Sokal P R Ehrlich P E Hunter G Schlager
Entomol Soc Amer Ann 53(2):174-182
Mar 1960 420 EN82
Drosophila melanogaster, Humidity, Insect behavior, Larvae, Population, Pupae, Temperature.

4155-68
SUSCEPTIBILITY OF AN EYE GNAT, HIPPELATES PUSIO, TO RESIDUAL INSECTICIDES.
A Spielman
J Econ Entomol 54(1):130-131
Feb 1961 421 J822
Dieldrin, DDT , Eye gnat, Hippelates, Lindane, Malathion.

4156-68
CALCIUM OXALATE IN THE OOTHECAE OF COCKROACHES.
B Stay A King L M Roth
Entomol Soc Amer Ann 53(1):79-86
Jan 1960 420 EN82
Blattella, Blattidae, Calcium oxalate, Insect eggs, Periplaneta.

4157-68
A RAPID METHOD FOR IDENTIFYING DYE-MARKED FRUIT FLIES.
L F Steiner
J Econ Entomol 58(2):374, 1 REF., 1 FIG.
Apr 1965 421 J822
Ceratitis, Dacus, Dyes, Insect identification, Tephritidae.

4158-68
ARTIFICIAL NESTING SITES FOR THE PROPAGATION OF THE LEAF-CUTTER BEE, MEGACHILE (EUTRICHARAEA) ROTUNDATA, FOR ALFALFA POLLINATION.
W P Stephen
J Econ Entomol 54(5):989-993, 11 REFS.
Aug 1961 421 J822
Alfalfa, Artificial nesting, Pollination, Seed production (horticulture).

4159-68
FURTHER STUDIES ON THE FEEDING AND OVIPOSITION PREFERENCES OF THE BOLL WEEVIL (ANTHONOMUS GRANDIS).
S G Stephens H S Lee
J Econ Entomol 54(6):1085-1090, 6 REFS.
Dec 1961 421 J822
Arthonomus grandis, Cotton, Feeding, Insect behavior, Oviposition.

4160-68
FECUNDITY AND FERTILITY OF TWO STRAINS OF THE PLUM CURCULIO, RECIPROCAL CROSSES AND THE F GENERATIONS.
J O Stevenson E H Smith
J Econ Entomol 54(2):283-284
Apr 1961 421 J822
Conotrachelus, Conotrachelus nenuphar, Genes.

4161-68
EFFECT OF RADIOPHOSPHORUS (P32) ON LIGHT RESPONSE OF AEDES AEGYPTI (L.) LARVAE.
J R Strayer
Fla Entomol 48(2):81-84, 3 REFS., 1 FIG., 2 TABS.
Jun 1965 420 F662
Aedes aegypti, Larvae, Phototropism, Radioactive tracers.

4162-68
THE SURVIVAL OF TBE MADEIRA COCKROACH IN VARIOUS ATMOSPHERES.
W N Sullivan M S Schechter R A Fulton J C Keller S R Dutky
J Econ Entomol 54(4):661-663, 5 REFS.
Aug 1961 421 J822
Belium, Leucophaea, Nitrogen, Oxygen, Satellites (artificial).

4163-68
APHID-VIRUS RELATIONSHIPS IN THE TRANSMISSION OF BEAN YELLOW MOSAIC VIRUS BY MYZUS PERSICAE.
K G Swenson
Entomol Soc Amer Ann 53(4):521-524
Jul 1960 420 EN82
Myzus, Plant disease transmission, Yellow mosaic (beans), Yellow mosaic virus.

4164-68
A METHOD FOR SELECTION FOR DDT-SUSCEPTIBILITY.
A S Tahori
J Econ Entomol 54(3):611, 3 REFS.
Jun 1961 421 J822
DDT , Insecticide susceptible insects, Musca domestica.

4165-68
A COMPARATIVE STUDY OF CERTAIN BIOLOGICAL PHENOMENA OF A RESISTANT AND A SUSCEPTIBLE STRAIN OF THE BOLLWEEVIL, ANTHONOMUS GRANDIS.
J G Thomas J R Brazzel
J Econ Entomol 54(3):417-419, 8 REFS., 2 TABS.
Jun 1961 421 J822
Anthonomus grandis, Insecticide resistant insects, Populatien statistics.

4166-68
A COMPARISON OF THE SUSCEPTIBILITY OF THE FACE FLY, MUSCA AUTUMNALIS, AND THE HOUSE FLY, M. DOMESTICA, TO INSECTICIDES IN THE LABORATORY.
R E Treece
J Econ Entomol 54(4):803-805, 1 REF.
Aug 1961 421 J822
DDT , Musca, Musca domestica, Parathion.

4167-68
OBSERVATIONS OF NESTS OF OXAEA (HYMENOPTERA: ANDRENIDAE).
F S Truxal
Kans Entomol Soc J 35(4):432
Oct 1962 420 K13
Bees, Insect behavior, Insect ecology, Oxaea.

4168-68
ARTIFICIAL DIETS FOR THE ADULT BOLL WEEVIL AND TECHNIQUES FOR OBTAINING EGGS.
E S Vanderzant T B Davich
J Econ Entomol 54(5):923-928, 4 REFS.
Aug 1961 421 J822
Anthonomus grandis, Diet, Eggs.

4169-68
THE LIFE CYCLE OF THE HACKBERRY GALL-FORMER, PACHYPSELLA CELTIDIS-GEMMA (HOMOPTERA, PSYLLIDAE).
B C J Walton
Entomol Soc Amer Ann 53(2):265-277
Mar 1960 420 EN82
Celtis, Chromosomes, Insect morphology, New York, Pachypsylla, Plant galls, Psyllidae, Tree injuries.

4170-68
LIFE HISTORY OF THE GREATER WAX MOTH, GALLERIA MELLONELLA L., IN ARKANSAS.
L O Warren P Huddleston
Kans Entomol Soc J 35(1):212-216, 12 REFS., 1 TAB.
Jan 1962 420 K13
Galleria, Honeycombs, Insect pests, Metamorphosis.

4171-68
ATTRACTIVENESS OF GYPLURE MASKED BY IMPURITIES.
R M Waters M Jacobson
J Econ Entomol 58(2):370-371, 5 REFS.
Apr 1965 421 J822
Gyplure, Insect control, Porthetria, Sex attractants.

4172-68
CHEMICAL ATTACTANTS FOR ADULT DROSOPHILA SPECIES.
A S West
J Econ Entomol 54(4):677-681, 5 REFS.
Aug 1961 421 J822
Acetal, Attractants, Baits, Drosophila, Ethyl alcohol, Malt extracts, Musca domestica, Peat, Skatole.

4173-68
A TECHNIQUE FOR TERMINATING DIAPAUSE OF SOUTHWESTERN CORN BORER LARVAE.
W H Whitcomb H C Wall M L Wall
Kans Entomol Soc J 35(3):315-316, 2 REFS.
Jul 1962 420 K13
Corn, Diapause, Larvae, Methodology, Zeadiatraea.

4174-68
GAS CHROMATOGRAPHY FOR MEASURING INSECT RESPIRATION.
W K Whitney E E Ortman
Kans Entomol Soc J 35(3):323-332, 9 REFS., 5 TABS., 2 FIGS.
Jul 1962 420 K13
Chromatography, Insect respiration, Macrosiphum, Musca domestica, Sitophilus, Therioaphis.

4175-68
SOME CHEMICAL COMPONENTS OF DROSOPHILA MELANOGASTER EGG SHELL. II. AMINO SUGARS AND ELEMENTS.
B R Wilson
Entomol Soc Amer Ann 15(6):732-735
Nov 1960 420 EN82
Amino sugars, Calcium, Drosophila, Elements, Glucosamine, Insect eggs, Iron, Sodium.

4176-68
SOME CHEMICAL COMPONENTS OF THE EGG SHELL OF DROSOPHILA MELANOGASTER. I. AMINO ACIDS.
B R Wilson
Entomol Soc Amer Ann 53(2):170-173
Mar 1960 420 EN82
Amino acids, Drosophila melanogaster, Insect eggs.

4177-68
BIOLOGICAL STUDIES OF A NEW GREENBUG BIOTYPE.
E A Wood Jr
J Econ Entomol 54(6):1171-1173
Dec 1961 421 J822
Barley, Greenhouse culture, Toxoptera, Wheat.

4178-68
BIOLOGY OF THE SOUTHERN LYCTUS BEETLE, LYCTUS PLANICOLLIS.
C G Wright
Entomol Soc Amer Ann 53(3):285-292
May 1960 420 EN82
Insect morphology, Insect rearing, Longevity, Lyctus, Sex.

4179-68
ASSAY OF THE PRINCIPAL GUSTATORY STIMULANT FOR THE TOBACCO HORNWORM, PROTOPARCE SEXTA, FROM SOLANACEOUS PLANTS.
R T Yamamoto G Fraenkel
Entomol Soc Amer Ann 53(4):499-503
Jul 1960 420 EN82
Attractants, Insect behavior, Protoparce, Solanaceae.

10 4180-68

4180-68
THE SPECIFICITY OF THE TOBACCO HORNWORM, PROTOPARCE SEXTA, TO SOLANACEOUS PLANTS.
R T Yamamoto G S Fraenkel
Entomol Soc Amer Ann 53(4):503-507
Jul 1960 420 EN82
Attractants, Protoparce, Solanaceae.

4181-68
TWO LARVAL REARING MEDIA FOR IPS BARK BEETLES.
W C Yearian R C Wilkinson
Fla Entomol 48(1):25-27, 2 REFS.
Mar 1965 420 F662
Ips, Scolytidae.

4182-68
PIGMENTED BACTERIA OCCURRING IN FLY CULTURES AND SOME RELATIONSHIPS TO HOUSE FLY STRAINS.
J L Zaharis C C Roan T H Lord
Kans Entomol Soc J 34(2):91-100, 17 REFS., 1 TAB.
Apr 1961 420 K13
Bacteria, Flavobacterium, Insecticide resistant insects, Musca domestica, Pigmentation, Pseudomonas.

Genetics

4183-68
METHODS DELAYING SELECTION OF ACARICIDE RESISTANT STRAINS OF THE EUROPEAN RED MITE.
D Asquith
J Econ Entomol 54(3):439-441, 1 REF.
Jun 1961 421 J822
Dicofol, Insecticide resistant insects, Tetradifon.

4184-68
INHERITANCE OF RESISTANCE TO ENDRIN IN THE BOLL WEEVIL.
C B Bragassa J R Brazzel
J Econ Entomol 54(2):311-314
Apr 1961 421 J822
Anthonomus grandis, Endrin, Inheritance, Insecticide resistant insects.

4185-68
THE DEVELOPMENT AND CHARACTERIZATION OF RESISTANCE TO CARBAMATE INSECTICIDES IN THE HOUSE FLY, MUSCA DOMESTICA.
G P Georghiou R L Metcalf R E March
J Econ Entomol 54(1):132-140, 7 TABS., 4 FIGS.
Feb 1961 421 J822
Compound III , Insecticide resistant insects, Isolan, Isopropyl-3-methlpyrazolyl-(5)-dimethylcarbamate, 1-, Isopropylphenyl-N-methylcarbamate, 3-, Musca domestica, Phenyl-3-methylpyrazolyl-(5)-dimethylcarbamate, 1-, Pyrolan.

4186-68
THE RECOVERY OF GENES CONTROLLING CORN BORER RESISTANCE IN BACKCROSSING PROGRAM,.
W D Guthrie G H Stringfield
J Econ Entomol 54(2):267-270
Apr 1961 421 J822
Genes, Ostrinia, Plant breeding.

4187-68
THE COMPOSITION OF RIBONUCLEIC ACID IN THE DEVELOPING HOUSE FLY OVARY.
N Mitlin C F Cohen
J Econ Entomol 54(4):651-653, 20 REFS.
Aug 1961 421 J822
Musca domestica, Ovaries, Ribonucleic acid.

4188-68
TOXICITY OF TDE TO DIFFERENT INSTARS AND STRAINS OF THE RED-BANDED LEAF ROLLER AND THE RESPONSE OF A TDE-RESISTANT STRAIN TO PARATHION AND ENDRIN.
G C Rock C H Hill J M Grayson
J Econ Entomol 54(1):88-90
Feb 1961 421 J822
Argyrotaenia, Endrin, Insecticide resistant insects, Parathion, TDE , Virginia.

4189-68
BLACK PUPA AND WHITE EYE MUTANT STUDIES IN THE AUSTRALIAN SHEEP BLOW FLY.
G J Shanahan
J Econ Entomol 58(2):380-381, 2 REFS., 2 TABS.
Apr 1965 421 J822
Insect genetics, Insect mutation, Lucilia, Sheep.

Medical Entomology

4190-68
INSECT STERILIZATION TECHNIQUE.
Agr Chem 19(6):54B
Jun 1964 381 AG8
Cochliomyia, Sterility, Tephritidae.

4191-68
LYSINE AND ALANINE AS MOSQUITO ATTRACTANTS.
A W A Brown A G Carmichael
J Econ Entomol 54(2):317-324
Apr 1961 421 J822
Aedes aegypti, Alanine, Attractants, Lysine.

4192-68
CHEMICAL ATTRACTANTS FOR THE ADULT HOUSE FLY.
A W A Brown A S West A S Lockley
J Econ Entomol 54(4):670-674, 12 REFS.
Aug 1961 421 J822
Acetal, Attractants, Bromoform, Ethyl alcohol, Malt extracts, Maltose, Molasses, Musca domestica, Putrescine, Skatole.

4193-68
PUBLIC HEALTH POTENTIAL OF SYLVATIC PLAGUE.
W T Hubbert M I Goldenberg L Kartman F M Prince
Amer Vet Med Ass J 149(12):1651-1654, 3 REFS., 2 TABS.
Dec 1966 41.8 AM3
Plague, Public health, Siphonaptera.

4194-68
THE EFFECTIVENESS OF CHEMICALLY TREATED SCREENS IN KILLING ANNOYING PUNKIES, CULICOIDES OBSOLETUS.
H Jamnback
J Econ Entomol 54(3):578-580, 3 REFS.
Jun 1961 421 J822
Culicoides, DDT , Malathion, Screens.

4195-68
STUDIES OF THE EFFECT OF MEAT EXPOSED TO GAMMA RADIATION OR CHEMOSTERILANTS ON THE REPRODUCTIVE CAPACITY OF A BLOW FLY PHAENICIA CUPRINA (WIEDEMANN).
P B Morgan G C LaBrecque
Fla Entomol 47(1):31-33, 6 REFS.
Mar 1964 420 F662
Apholate, Calliphoridae, Chemosterilants, Irradiated meat, Metepa.

4196-68
RESIDUAL ACTIVITY OF ORGANOPHOSPHOROUS INSECTICIDES IN SOIL AS TESTED AGAINST THE EYE GNAT, HIPPELATES COLLUSOR.
M S Mulla G P Georghiou H W Cramer
J Econ Entomol 54(5):865-870, 17 REFS., 3 TABS.
Aug 1961 421 J822
Azinphosmethyl, Bayer 25141, Carbophencthion, Coumaphos, Diazinon, Ethion, Hippelates, Insecticide residues, Methyl trithion.

4197-68
CONTROL OF HIPPELATES GNATS WITH SOIL TREATMENTS USING ORGANOCHLORINE INSECTICIDES.
M S Mulla
J Econ Entomol 54(4):636-642, 8 REFS.
Aug 1961 421 J822
Aldrin, Citrus, Dieldrin, DDT , Endrin, Hippelates, Soil treatment, Toxaphene.

4198-68
HUMAN MYIASIS IN NORTH AMERICA.
H G Scott
Fla Entomol 47(4):255-261, 58 REFS., 1 TAB.
Dec 1964 420 F662
Cochliomyia, Hypoderma, Myiasis, Oestrus, Sarcophaga,

Woolfahrtia.

4199-68
PYEMOTES VENTRICOSUS (STRAW ITCH MITE) ONTOGENY.
H G Scott R M Fine
Fla Entomol 47(2):93-95, 3 REFS., 2 FIGS.
Jun 1964 420 F662
Pyemotes, Straw itch.

4200-68
FILTER FLY LARVA (PSYCHODA ALTERNATA) FROM HUMAN SPUTUM.
H G Scott
Fla Entomol 47(1):53, 5 REFS., 1 FIG.
Mar 1964 420 F662
Psychoda, Psychodidae, Sputum.

4201-68
CONTROL OF THE YELLOWJACKET, VESPULA PENNSYLVANICA, IN PUBLIC PARKS.
R E Wagner
J Econ Entomol 54(4):628-630, 2 REFS.
Aug 1961 421 J822
Apis mellifera, Dichlorvos, Human engineering, Naled, Parks.

20 CROP PROTECTION

4202-68
PRESS CRITICAL OF FLEMMING, ADDITIVES BILL.
Agr Chem 15(3):41, 121
Mar 1960 381 AG8
Food additives, Foreign trade, Publicity.

4203-68
CAREFUL PEST CONTROL AUGURS BIGGER CROP YIELDS.
Agr Chem 19(1):58
Jan 1964 381 AG8
Aerial spraying, Blueberries, Crop yields, Fertilizers, Pesticides.

4204-68
SECRETARY BENSON ENDORSES SAFE USE OF AGRICULTURAL PESTICIDES AS ESSENTIAL IN PRODUCTION OF NATION S FOOD SUPPLY.
Agr Chem 15(2):37, 117
Feb 1960 381 AG8
Agricultural regulation, Consumer education, Pesticides.

4205-68
LIABILITY, WEED CONTROL, TRAINING ARE AMONG TEXAS CONFERENCE TOPICS.
Agr Chem 19(4):75-77
Apr 1964 381 AG8
Aerial spraying, Pesticide application, Weed control.

4206-68
RESPONSIBILITIES TOLD AT TEXAS MEETING.
Agr Chem 15(4):58-59, 118
Apr 1960 381 AG8
Pesticide application.

4207-68
NEW CHEMICALS AND METHODS OF APPLICATION.
Agr Chem 19(2):73-76
Feb 1964 381 AG8
Attractants, Pesticide application, Pesticides.
Agricultural engineers council

4208-68
WASHINGTON HORTICULTURALISTS CAUTIONED AGAINST USE OF UNAUTHORIZED PESTICIDES.
Agr Chem 15(1):42-44
Jan 1960 381 AG8
Azinphosmethyl, Carbaryl, Diazinon, Dieldrin, Horticulturists.

4209-68
HOME GARDEN SALES PROSPECTS ARE BRIGHT.
Agr Chem 19(5):23-24, 105
May 1964 381 AG8
Fertilizers, Gardens, Insecticides, Marketing.

4210-68
1963 PESTICIDE SALES SHOW 8 PERCENT INCREASE.
Agr Chem 19(1):30
Jan 1964 381 AG8
Herbicides, Insecticides, Pesticides, Sales.
Annual NAC report

4211-68
THE USE OF METERS IN FERTILIZER PLANTS.
Agr Chem 19(4):20-21, 2 TABS.
Apr 1964 381 AG8
Fertilizers, Measuring equipment.

4212-68
CARBIDE REDUCES PRICE OF SEVIN.
Agr Chem 19(3):38, 142
Mar 1964 381 AG8
Carbaryl, Prices.

4213-68
EFFECTS OF DAY LENGTH AND LIGHT INTENSITY ON GROWTH OF BARLEY. III. VEGETATIVE DEVELOPMENT.
D Aspinall L G Paleg
J Sci Food Agr 16(7):II-5-5

20 4214-68

Jul 1965 382 SO12
Barley, Photoperiodism.

4214-68
59 CALLED POOR YEAR FOR CROP SPRAYING IN ENGLAND.
A R Barfield
Agr Chem 15(5):61, 109
May 1960 381 AG8
Aerial spraying, England, Environment, Helicopters.

4215-68
SPECIFIC INFORMATION IS NEEDED.
A M Boyce
Agr Chem 19(2):78, 117-118
Feb 1964 381 AG8
Ecology, Pesticide application, Pesticide residues, Pesticides, Toxicology.

4216-68
MISSISSIPPI APPLICATORS PLAN MORE SERVICES TO FARMERS.
C. Campbell
Agr Chem 15(4):61, 107-108
Apr 1960 381 AG8
Aerial dusting, Aerial spraying, Cotton, Mississippi.

4217-68
AIRPLANES IN FORESTRY AMONG LOUISIANA TOPICS.
K L Cockerham
Agr Chem 15(4):62, 107
Apr 1960 381 AG8
Aerial seed planting, Endrin, Louisiana, Thiram.

4218-68
INCREASED YIELDS STRESSED AT SOIL FERTILITY CONFERENCE.
R E Dennis
Agr Chem 19(3):62, 133
Mar 1964 381 AG8
Crop yields, Fertilizers, Herbicides, Soil fertility.

4219-68
SPRAY CONTROVERSY HINDERS EFFICIENT CONTROL OPERATIONS.
J A Dietrich
Agr Chem 15(5):57, 101-102
May 1960 381 AG8
DDT , Publicity, Spraying.

4220-68
CALIFORNIA APPLICATOR BUILDING PROFITS WITH HELICOPTER OPERATION.
R D Eccles
Agr Chem 15(2):58-59, 114-115
Feb 1960 381 AG8
Dusting, Helicopters, Spraying.

4221-68
THE ROLE OF INDUSTRY IN THE DEVELOPMENT OF HERBICIDES.
W E Gordon
Agr Chem 19(3):31-32, 138-139
Mar 1964 381 AG8
Agricultural research, Herbicides, Industrial management.

4222-68
FOREST FERTILIZATION IN NORWAY.
A Grantseg
Agr Chem 19(4):90, 124-125
Apr 1964 381 AG8
Fertilizers, Forest cutting systems, Forests.

4223-68
RUSSIAN FERTILIZER DISPARITY.
N E Hathaway
Agr Chem 19(4):104
Apr 1964 381 AG8
Fertilizers, Nitrogen.

4224-68
COMBINATION ACARICIDE-INSECTICIDE-FUNGICIDE SPRAYS ON OUTDOOR ROSES.
T J Henneberry E A Taylor F F Smith A L Boswell R V Travis
J Econ Entomol 54(3):420-422, 3 REFS., 1 FIG.
Jun 1961 421 J822
Aramite, Black spot (rosa), Captan, Demeton, Ferbam, Maneb, Rosa, Tetranychus, Zineb.

4225-68
MANAGING COLONIES OF BUMBLE BEES (HYMENOPTERA: APIDAE) FOR POLLINATION PURPOSES.
G A Hobbs W O Nummi J F Virostek
Can Entomol 94(11):1121-1132, 10REFS.
Nov 1962 421 C16

Bombus, Insect protective devices, Megachile, Psithyrus, Urticaria.

4226-68
WHY WE ENTERED THE FERTILIZER BUSINESS.
Agr Chem 19(5):47-50, 109
May 1964 381 AG8
Fertilizers, Fungicides, Marketing, Petroleum.

4227-68
THE EFFECTS OF MCPA AND 2,3,6-TBA ON GLASSHOUSE CUCUMBERS.
H G Kingham Fletcher
Weed Res 3(3):242-245, 6 PLS.
Sep 1963 79.8 W412
Cucumbers, MCPA-SODIUM , TBA- sodium, 2,3,6-, Toxicology.

4228-68
MOVEMENT AND SORPTION OF CHEMICALS APPLIED TO THE SOIL.
S M Lambert P E Porter R H Schieferstein
Weeds 13(3):185-190, 9 REFS., 7 FIGS.
Jul 1965 79.8 W41
Soil adsorption, Soil percolation.

4229-68
AGRICULTURAL PILOT TRAINING SCHOOLS.
N C Merrill
Agr Chem 19(4):84
Apr 1964 381 AG8
Aeronautics, Agricultural schools.

4230-68
CONTROL OF CABBAGE CLUBROOT IN WESTERN NORTH CAROLINA.
P Miller
Agr Chem 15(5):71, 106-107, 5 REFS.
May 1960 381 AG8
Captan, Clubroot (cabbage), Ferbam, Methyl bromide, Pears, Pentachloronitrobenzene, Rusty spot (peaches), Seed treatment, Storage diseases.

4231-68
CONTROL OF BLACK SCALE AND APHIDS ON EASTER LILIES.
P. Miller
Agr Chem 15(4):75, 118, 4 REFS.
Apr 1960 381 AG8
Captan, Demeton, Leaf spot (amaryllis), Root knot, Saissetia.

4232-68
WACA SPEAKERS ARE PESSIMISTIC ABOUT LONG-RANGE PEST CONTROL OUTLOOK.
L H Milliman
Agr Chem 19(3):48-50, 137
Mar 1964 381 AG8
Insecticide resistant insects, Pest control.

4233-68
A STUDY OF THE COMPETITION BETWEEN BARLEY AND OATS AS INFLUENCED BY BARLEY SEEDRATE, NITROGEN LEVEL, AND BARBAN TREATMENT.
R K Pfeiffer H M Holmes
Weed Res 1(1):5-18, 8 TABS., 8 FIGS.
Mar 1961 79.8 W412
Barban, Barley, Nitrogen, Oats.

4234-68
DIRECT PHOTOMICROGRAPHY OF AIR-BORN DROPLETS AND ITS APPLICATION FOR PARTICLE SIZE DETERMINATION OF INSECTICIDAL AEROSOLS IN THE FIELD.
C B Rathbone Jr
J Sci Food Agr 16(7):II-12-7
Jul 1965 382 SO12
Insecticidal aerosols, Particle size determination, Photomicrography.

4235-68
MAGNESIUM IMPORTANT IN NOURISHING CROPS AND ANIMALS.
V Sauchelli
Agr Chem 19(5):57, 108
May 1964 381 AG8
Cattle, Crops, Fertilizers, Hypomagnesemia, Magnesium.

4236-68
WHAT S YOUR IDEAL FERTILIZER.
V Sauchelli
Agr Chem 19(1):71, 96
Jan 1964 381 AG8
Fertilizer analysis, Fertilizers.
Agricultural chemicals industry

4237-68
THE YES AND NO OF MARKETING SPECIALTIES.
V Sauchelli
Agr Chem 19(4):49-50, 130-131
Apr 1964 381 AG8
Fertilizers, Marketing, Pesticides, Seeds.

4238-68
GRANULAR PESTICIDES FOR 1960.
C. Starker
Agr Chem 15(5):36-38, 104-105, 2 TABS.
May 1960 381 AG8
Atrazine, Corn, Granular herbicides,
Granular systemic insecticides,
Naphthylphthalamic acid, N-1-, Phorate.

4239-68
FLORIDA S COMMERCIAL SPRAYMEN HEAR STATE LICENSING REGULATIONS.
P V Taylor
Agr Chem 15(6):67, 117
Jun 1960 381 AG8
Florida, Licenses, Spraying.

4240-68
THE EFFECT OF DEPTH OF BURYING AND FREQUENCY OF CULTIVATION ON SURVIVAL AND GERMINATION OF SEEDS OF WILD OATS (AVENA FATUA L. AND AVENA LUDOVICIANA DUR.).
J M Thurston
Weed Res 1(1):19-31, 3 TABS., 2 FIGS.
Mar 1961 79.8 W412
Avena, Seed germination, Seed planting, Tillage.

4241-68
A SAFETY PROGRAM FOR THE AERIAL APPLICATOR.
E Utz
Agr Chem 19(5):63-69, 106-107
May 1964 381 AG8
Accident prevention, Aerial spraying.

4242-68
PACKAGING INNOVATION STIMULATES EXPANDED MARKET FOR SHIPPING SACKS.
A J Walton
Agr Chem 19(5):39-42, 106-108
Jun 1964 381 AG8
Fertilizers, Freight transportation, Marketing, Packing, Pesticides.
Agricultural Chemicals

4243-68
THE EFFECTS OF SUB-LETHAL DOSES OF MCPA ON THE MORPHOLOGY OF VEGETABLE CROPS. II. CABBAGE, CAULIFLOWER AND BRUSSEL SPROUTS.
J M Way
Weed Res 3(1):11-25, 17 PLS., 4 TABS.
Mar 1963 79.8 W412
Brussels sprouts, Cabbage, Cauliflower, MCPA .

4244-68
SCIENCE OR HUNGER.
R H White-Stevens
Agr Chem 19(4):80-84
Apr 1964 381 AG8
Crops, Farmers, Pesticides.

4245-68
CROP RESPONSE TO FERTILIZERS.
G G Williams
Agr Chem 19(5):51-54
May 1964 381 AG8
Climate, Crops, Fertilizers, Soils.

4246-68
PERFORMANCE OF TILLAGE IMPLEMENTS IN A STUBBLE MULCH SYSTEM. I.RESIDUE CONSERVATION. II. EFFECTS OF SOIL CLODDINESS. III. EFFECTS OF TILLAGE SEQUENCES ON RESIDUES, SOIL CLODDINESS, WEED CONTROL AND WHEAT YIELD.
N P Woodruff C R Fenster W S Chepil F B Siodoway
J Sci Food Agr 16(7):II-1-8
Jul 1965 382 SO12
Plant residues, Soil conservation, Soil texture,
Stubble mulching, Tillage, Tools, Weed control.

4247-68
THE CHANGING WORLD OF AGRICULTURE.
E T York Jr
Agr Chem 19(5):26-27, 113
May 1964 381 AG8
Agricultural industries, Agriculture, Fertilizers, Irrigation.

Diseases

4248-68
SPRAY DEMONSTRATION: TATA-PISON SHOWS HELICOPTER SPRAYING IN INDIA FOR PYRILLA CONTROL ON CANE.
Agr Chem 15(1):56-57
Jan 1960 381 AG8
Aerial spraying, India, Pyrilla, Sugarcane.

4249-68
NEW DISEASE THREATENS CALIFORNIA CITRUS INDUSTRY.
Agr Chem 19(5):35-39, 108-109
May 1964 381 AG8
Gibberellins, Lemons, Nematodes, Thrips, 2,4-d.

4250-68
HAZARDS ASSOCIATED WITH THE IMPLANTATION OF TETRAM INTO ELM TREES FOR DUTCH ELM DISEASE CONTROL.
A F Al-Azawi D M Norris J E Casida
J Econ Entomol 54(1):127-129
Feb 1961 421 J822
Dieback (ulmus), Hydrogen oxalate,
O,O-diethyl S-(beta-diethylamino)-ethyl phosphorothiolate,
Scolytidae, Tetram, Ulmus.

4251-68
CONTROL OF BLACK ROT ON GRAPES.
G L Barnes H A Hinrichs
Agr Chem 19(5):30-33, 107-108, 10 REFS, 5 TABS.
May 1964 381 AG8
Black rot (grapes), Bordeaux mixture, Dodine, Fungicides,
Grapes, Maneb, Zineb.

4252-68
EFFECT OF CHEMICALS ON INFECTION OF SHORTLEAF PINE STUMPS BY FOMES ANNOSUS.
F H Berry T W Bretz
J Sci Food Agr 16(7):II-14-M
Jul 1965 382 SO12
Ammonium fluoride, Ammonium sulfamate, Borax, Fomes, Pinus,
Short-leaf pine, Urea.

4253-68
CONTROL OF SCAB OF CUCUMBER AND OTHER CUCURBIT CROPS.
W L Biehn D L Strider D F Crossan J G Kantzes L O Weaver
Agr Chem 19(4):91
Apr 1964 381 AG8
Cucumbers, Fungicides, Maneb.

4254-68
EFFECTS OF SOME FUNGICIDE MIXTURES ON SOD WEBWORMS IN SOUTH FLORIDA TURFGRASSES.
H I Borders
Fla Entomol 48(2):133
Jun 1965 420 F662
Captan, Cynodon, Pachyzancla, Pentachloronitrobenzene.

4255-68
CONTROL OF BACTERIAL SPOT ON PEPPER FRUIT.
D F Crossan A L Morehart J F Baniecki W Biehn
Agr Chem 19(5):76
May 1964 381 AG8
Dodine, Fertilizers, Piper nigrum.

4256-68
DISINFECTANT TREATMENT FOR FRESHLY HARVESTED PEPPER SEEDS.
A H Dempsey W A Chandler
Agr Chem 19(5):76
May 1964 381 AG8
Acrizane chloride, Piper nigrum, Seeds, Semesan.

4257-68
PERFORMANCE OF SEVERAL NEW CHEMICALS FOR THE CONTROL OF FIREBLIGHT OF PEAR.
F R Fronek E J Klos
Agr Chem 19(5):76, 106, 3 REFS.
May 1964 381 AG8
Fire blight (pears), Pears, Streptomycin.

4258-68
KINETICS OF CHLORELLA INHIBITION BY HERBICIDES.
J V Gramlich R E Frans
J Sci Food Agr 16(7):II-14-9
Jul 1965 382 SO12
Atrazine, Chlorella, Naphthaleneacetic acid, Plant hormones, Plant regulators, 2,4-D.

4259-68
INACTIVATION OF TOBACCO MOSAIC VIRUS IN TOMATO ROOTS.
E M Johnson R A Chapman
Agr Chem 19(6):71
Jun 1964 381 AG8
Methyl bromide, Roots, Tomatoes.

4260-68
WESTERN COTTON CONFERENCE.
L D Leach
Agr Chem 19(4):114
Apr 1964 381 AG8
Cotton, Herbicides, Wilt (cotton).

4261-68
ECOLOGY OF PLANT PATHOGENS IN SOIL. I. INFLUENCE OF CHITIN AND LIGNIN AMENDMENTS ON THE DEVELOPMENT OF BEAN ROOT ROT.
C L Maurer R Baker
J Sci Food Agr 16(7):II-13-1
Jul 1965 382 SO12
Chitin, Fusarium, Lignin, Root rot (beans).

4262-68
THE EFFECT OF WING MOVEMENT BY THE GREEN PEACH APHID ON THE TRANSMISSION OF LETTUCE MOSAIC VIRUS.
D L McLean
J Econ Entomol 54(6):1135-1137, 3 REFS.
Dec 1961 421 J822
Aphididae, Lettuce, Mosaic (lettuce), Myzus, Plant disease transmission, Wings (insects).

4263-68
GIBBERELLIN AND FUNGICIDES TESTED FOR CONTROL OF BEAN ROT.
P Miller
Agr Chem 15(2):73, 113, 2 TABS.
Feb 1960 381 AG8
Beans, Fusarium, Root rot (beans), Urea-formaldehyde.

4264-68
HEXACHLOROBENZENE FOR THE CONTROL OF ONION SMUT.
P Miller
Agr Chem 15(1):66-67
Jan 1960 381 AG8
Hexachlorobenzene, Smut (onion), Urocystis.

4265-68
AIRCRAFT IN PLANT DISEASE CONTROL.
P. Miller J I Wood
Agr Chem 15(6):62-63, 113-115, 30 REFS., 1 PL., 1 TAB.
Jun 1960 381 AG8
Aircraft, Brown rot, Dieback (ulmus), Snow mold (grasses), Wilt (quercus).

4266-68
CORRECT USE OF KARATHANE, SULFUR CONTROLS POWDERY MILDEW.
P. Miller
Agr Chem 15(3):75-76, 2 TABS.
Mar 1960 381 AG8
Apples, Captan, Dinocap, Podosphaera, Rosa, Sulfur.

4267-68
CHEMICAL CONTROL OF WHEAT RUSTS IN THE UNITED ARAB REPUBLIC.
H A Mohamed
J Sci Food Agr 16(7):II-13-M
Jul 1965 382 SO12
Rust (wheat), Sabethane Z, Spraying.

4268-68
FLAG SMUT OF WHEAT.
L H Purdy
Agr Chem 19(4):91
Apr 1964 381 AG8
Flag smut (wheat), Fungicides.

4269-68
APHID TRANSMISSION OF BEAN VIRUSES IN FIELD BEANS IN CENTRAL WASHINGTON.
R S Robertson Jr E C Klostermeyer
J Econ Entomol 54(3):414-416, 14 REFS., 3 TABS.
Jun 1961 421 J822
Aphididae, Beans, Insect vectors, Mosaic (beans), Myzus, Washington.

4270-68
RELATION BETWEEN THE RECOLONIZATION OF PARTIALLY STERILIZED SOIL AND THE ATTACK OF SEEDLINGS BY PYTHIUM DEBARYANUM.
D Seidel
J Sci Food Agr 16(7):II-13-2
Jul 1965 382 SO12
Brassica, Pythium, Seedlings, Soil sterilization.

4271-68
ORNAMENTAL PLANTS AS VIRUS RESERVOIRS.
F F Smith
J Econ Entomol 54(3):506-508, 24 REFS.
Jun 1961 421 J822
Dahlia, Gladiolus, Vegetables, Virus diseases (plants).

4272-68
CONTROL OF WHEAT DWARF BUNT.
L J Tyler N F Jensen
Agr Chem 19(4):91, 127, 5 REFS.
Apr 1964 381 AG8
Fertilizers, Hexachlorobenzene, Stinking smut (wheat), Wheat.

4273-68
PLANT CHARACTERISTICS OF PHASEOLUS VULGARIS ASSOCIATED WITH POTATO LEAFHOPPER NYMPHAL INFESTATION.
D Wolfenbarger J P Sleesman
J Econ Entomol 54(4):705-707, 8 REFS.
Aug 1961 421 J822
Beans, Empoasca, Mosaic (beans).

Arthropods

4274-68
USDA TESTS EFFECTS OF INSECT PATHOGENS.
Agr Chem 20(10):103
Oct 1965 381 AG8
Apis mellifera, Bacillus thuringiensis, Beauveria, Biological control (insects), Insect diseases, Microorganisms, Nuclear polyhedrosis virus.

4275-68
USDA REPORT HIGHLIGHTS ADVANCES IN PEST RESEARCH AND CONTROL.
Agr Chem 19(2):48, 116
Feb 1964 381 AG8
Anthonomus grandis, Attractants, Chemosterilants, Cotton, Viruses.

4276-68
PRIOR LOCAL APPROVAL IS KEY TO SUCCESSFUL SPRAY PROGRAMS.
Agr Chem 15(6):120
Jun 1960 381 AG8
Aerial spraying, Connecticut, DDT , Porthetria.

4277-68
USDA RELEASES INSECTS.
Agr Chem 19(6):54B
Jun 1964 381 AG8
Alternanthera philoxeroides, Chrysomelidae, Cytisus scoparius, Moths.

4278-68
BELTWIDE COTTON-MECHANIZATION CONFERENCE.
Agr Chem 15(2):46-47, 117
Feb 1960 381 AG8
Cotton, Spraying.

4279-68
USDA CLEARS HEPTACHLOR USE ON FOOD CROPS.
Agr Chem 15(3):40, 123, 1 TAB.
Mar 1960 381 AG8
Cotton, Grasshoppers, Heptachlor, Heptachlor epoxide, Pesticide residues.

4280-68
BOLL WEEVIL CAMPAIGN BEGINS SECOND PHASE.
Agr Chem 20(10):98
Oct 1965 381 AG8
Aerial pest control, Anthonomus grandis, Cotton,

Natural control (insects).

4281-68
WISCONSIN PESTICIDE CONFERENCE.
Agr Chem 15(2):33-34, 107-108
Feb 1967 381 AG8
Aldrin, Cercopidae, Corn, Grasshoppers, Heptachlor, Malathion, Methoxychlor, Parathion, Soil insects.

4282-68
STUDIES OF THE EGGS OF A STRAIN OF TWO-SPOTTED SPIDER MITE, TETRANYCHUS TELARIUS, RESISTANT TO PARATHION.
J K Abul-hab E M Stafford
J Econ Entomol 54(3):591-595, 16 REFS., 5 TABS.
Jun 1961 421 J822
Beans, Diazinon, Dicofol, Eggs, Insecticide resistant insects, Leaves, Malathion, Parathion, Tetradifon, Tetranychus.

4283-68
EFFECT OF INSECTICIDE FERTILIZER MIXTURES AND SEED TREATMENTS ON EMERGENCE OF SUGAR BEET SEEDLINGS.
W R Allen W I Askew K Schreiber
J Econ Entomol 54(1):181-186
Feb 1961 421 J822
Carbophenothion, Diazinon, Phorate, Seed treatment, Sugar beets, Tetanops.

4284-68
ACARICIDAL ACTIVITY OF CELLULOSE POLYMERS.
H E Aller J A Naegele
J Econ Entomol 54(3):511-513, 6 REFS.
Jun 1961 421 J822
Cellosize, Cellulose polymers, Ceron N-4S, CMC Cellulose Gum 7L, Hydroxyethylcellulose, Hydroxypropyl starch, Methocel, Methylcellulose, MC-4000, Rosa, Sodium carboxymethyl cellulose, Tetranychus.

4285-68
BIOLOGICAL ACTIVITY AND LOCALIZATION OF PHORATE RESIDUE TOXINS IN SOIL-DRENCH TREATED CHRYSANTHEMUMS.
M A Anderson J T Schulz E T Hibbs
J Econ Entomol 54(5):827-832, 12 REFS.
Aug 1961 421 J822
Chrysanthemum, Phorate, Toxins.

4286-68
SEASONAL LOSSES IN RANGELAND VEGETATION DUE TO GRASSHOPPERS.
N L Anderson
J Econ Entomol 54(2):369-378, 10 REFS., 6 TABS.
Apr 1961 421 J822
Grasshoppers, Ranges, Vegetation.

4287-68
FIELD STUDIES ON EGG PREDATORS OF THE BOLLWORM, HELIOTHIS ZEA (BODDIE).
K O Bell W H Whitcomb
Fla Entomol 47(3):171-180, 13 REFS., 1 FIG., 3 TABS.
Sep 1964 420 F662
Coccinella, Coleomegilla, Geocoris, Heliothis zea, Hippodamia, Orius.

4288-68
LABORATORY TESTS WITH TOXAPHENE. DDT, AND SEVIN AGAINST LYGUS HESPERUS ON COTTON.
G T Bottger A N Sparks
J Econ Entomol 54(6):1261, 3 REFS.
Dec 1961 421 J822
Arizona, Carbaryl, Cotton, DDT , Lygus, Toxaphene.

4289-68
CHEMICAL CONTROL OF THE RICE WATER WEEVIL.
C C Bowling
J Econ Entomol 54(4):710-712, 7 REFS.
Aug 1961 421 J822
Aldrin, Heptachlor, Larvae, Lissorhoptrus, Rice.

4290-68
EUROPEAN CORN BORER CONTROL IN POTATOES.
D F Bray
J Econ Entomol 54(4):782-784, 5 REFS.
Aug 1961 421 J822
Carbaryl, Corn, DDT , Endosulfan, Kepone, Myzus, Phorate, Phosphamidon, Potatoes, Pyrausta.

4291-68
A NEW APPROACH TO BOLL WEEVIL CONTROL.
J R Brazzel T B Davich L D Harris
J Econ Entomol 54(4):723-730, 14 REFS.
Aug 1961 421 J822
Anthonomus, Cotton, Methyl parathion.

4292-68
EFFECTIVENESS OF FOLIAR SPRAYS FOR CONTROL OF FULLER ROSE BEETLE ON FLORIDA CITRUS.
R C Bullock
Fla Entomol 48(3):159-161, 6 REFS., 1 TAB.
Sep 1965 420 F662
Azinphosmethyl, Carbophenothion, Citrus, Florida, Malathion, Pantomorus, Parathion.

4293-68
DOSAGE LEVELS AND SEASONAL BEHAVIOR OF INSECTICIDES USED IN CONTROL OF EUROPEAN PINE SHOOT MOTH.
J W Butcher R B Carlson
J Econ Entomol 54(5):987-989, 5 REFS.
Aug 1961 421 J822
Carbaryl, Dimethoate, DDT , Malathion, Methoxychlor, Rhyacionia.

4294-68
SEASONAL HISTORY AND CONTROL OF THE ALFALFA WEEVIL IN NORTH CAROLINA.
W V Campbell T G Bowery K G Jester
J Econ Entomol 54(4):743-747, 9 REFS.
Aug 1961 421 J822
Alfalfa, Heptachlor, Hypera, Weather.

4295-68
A NEW UNDULAMBIA SPECIES ON LEATHER-LEAF FERN IN FLORIDA, AND NOTE ON A CLOSELY RELATED CENTRAL AMERICAN SPECIES (LEPIDOPTERA: PYRAUSTIDAE, NYMPHULINAE).
H W Capps
Fla Entomol 48(3):155-157, 1 REF., 1 FIG.
Sep 1965 420 F662
Leather-leaf fern, Undulambia.

4296-68
LYGUS BUG DAMAGE TO TABLE BEET SEED PLANTS.
E C Carlson
J Econ Entomol 54(1):117-119
Feb 1961 421 J822
Lygus, Seed sugar beets, Seed viability.

4297-68
EVALUATION OF STALK SHREDDERS AND CUTTERS FOR PINK BOLLWORM CONTROL.
A J Chapman C T Robertson L W Noble
J Econ Entomol 54(4):791-792, 2 REFS.
Aug 1961 421 J822
Cotton, Larvae, Pectinophora gossypiella, Stalk cutters, Stalk shredders.

4298-68
EFFECTIVENESS OF INSECTICIDES AGAINST THE RUSTY PLUM APHID AND ANTS.
L J Charpentier
J Econ Entomol 54(1):204
Feb 1961 421 J822
Carbophenothion, Demeton, Dimethoate, Hysteroneura, Iridomyrmex, Malathion, Mosaic (sugarcane), Sugarcane.

4299-68
INTERACTIONS OF THE EUROPEAN CORN BORER AND STALK ROT IN CORN.
H C Chiang R D Wilcoxson
J Econ Entomol 54(5):850-852, 2 REFS.
Aug 1961 421 J822
Corn, Pyrausta, Stalk rot (corn).

4300-68
THE EFFECT OF CENTRIFUGAL FORCE ON PINK BOLLWORM LARVAE.
E W Clark C A Richmond
J Econ Entomol 54(6):1262-1263, 4 REFS.
Dec 1961 421 J822
Centrifugal force, Drosophila melanogaster, Larvae, Musca domestica, Pectinophora gossypiella.

4301-68
INFLUENCE OF CAGING AND TRANSFERRING TECHNIQUES ON APHID MORTALITY AND VIRUS TRANSMISSION.
P P Cook E S Sylvester
J Econ Entomol 54(1):101-103
Feb 1961 421 J822
Aphididae, Insect vectors, Sugar beets.

4302-68
SYSTEMIC INSECTICIDAL ACTION OF CERTAIN PHOSPHATES IN PINUS STROBUS AGAINST DIPRION SIMILIS.
H C Coppel D M Norris Jr

20 4303-68

J Econ Entomol 54(5):1061-1062, 2 REFS.
Aug 1961 421 J822
Diprion, Pinus, Ulmus.

4303-68
CONTROL OF SEVERAL COTTON INSECTS IN FIELD EXPERIMENTS IN 1960.
C B Cowan Jr C R Parencia Jr J W Davis
J Econ Entomol 54(5):1011-1014, 4 REFS.
Aug 1961 421 J822
Anthonomus grandis, Azinphosmethyl, Carbaryl, Cotton, DDT , Heliothis zea, Malathion, Strobane, Toxaphene.

4304-68
EVALUATION OF INSECTICIDES FOR THE CONTROL OF THE GRAPE BERRY MOTH, PARALOBESIA VITEANA.
J A Cox
J Econ Entomol 54(5):853-855, 6 REFS.
Aug 1961 421 J822
Azinphosmethyl, Carbaryl, Diazinon, DDT , Grapes, Paralobesia, Parathion.

4305-68
GREENBUG CONTROL WITH DI-SYSTON USED AS A SOIL TREATMENT.
N E Daniels
J Econ Entomol 54(3):606-607, 4 REFS.
Jun 1961 421 J822
Disulfoton, Grain, Soil treatment, Toxoptera.

4306-68
CONTROL OF PEA ENATION MOSAIC IN PEAS WITH INSECTICIDES.
A C Davis F L McEwen W T Schroeder
J Econ Entomol 54(1):161-166
Feb 1961 421 J822
Acyrthosiphon, Demeton, Diazinon, Enation mosaic (peas), Parathion, Peas.

4307-68
FIELD EXPERIMENTS FOR CONTROL OF THRIPS, COTTON FLEAHOPPERS, AND OVERWINTERED BOLL WEEVILS IN 1960.
J W Davis C B Parencia Jr C E Cowan Jr
J Econ Entomol 54(5):966-970, 5 REFS., 3 TABS.
Aug 1961 421 J822
Anthonomus grandis, Cotton, DDT , Fenthion, Frankliniella, Psallus, Strobane, Texas, Toxaphene.

4308-68
SOME ERIOPHYID MITES OCCURRING IN GEORGIA WITH DESCRIPTIONS OF THREE NEW SPECIES.
R Davis
Fla Entomol 47(1):17-27, 5 REFS., 3 FIGS.
Mar 1964 420 F662
Aceria, Aculus, Juglans, Nyssa, Persimmons, Populus.

4309-68
AUTECOLOGICAL STUDIES OF RHYNACUS BREITLOWI DAVIS, (ACARINA: ERIOPHYIDAE).
R Davis
Fla Entomol 47(2):113-121, 19 REFS., 1 FIG., 3 TABS.
Jun 1964 420 F662
Magnolia, Rhynacus.

4310-68
RECENT DEVELOPMENTS IN THE INSECTICIDAL CONTROL OF THE APPLE MAGGOT.
R W Dean
J Econ Entomol 54(3):467-475, 4 REFS., 4 TABS.
Jun 1961 421 J822
Apples, Diazinon, Dow Et-15, Endrin, Isodrin, O-methyl O-2,4,5-trichlorophenyl phosphoramidothioate, O,O-diethyl-O-3-(2-propyl-6-methyl-4-pyrimidinyl) phos-, Phorothioate, Pirazinon, Rhagoletis, Ronnel, Trichlorfon.

4311-68
FEEDING HABITS OF HEMILEIUS NEW SPECIES (ACARI: CRYPTOSTIGMATA: ORIBATULIDAE) ON FLORIDA ORCHIDS.
H A Denmark J P Woodring
Fla Entomol 48(1):9-16, 7 REFS., 3 FIGS.
Mar 1965 420 F662
Aerial roots, Hemileius, Orchidacae, Oribatulidae.

4312-68
NEW TENUIPALPIDAE (FALSE SPIDER MITES) FROM BRITISH GUIANA WITH NOTES ON FOUR DESCRIBED SPECIES.
D DeLeon
Fla Entomol 48(1):65-75, 9 REFS., 3 PLS.
Mar 1965 420 F662
Brevipalpus, Citrus, Coconuts, Priscapalpus, Tenuipalpus.

4313-68
FIELD TESTS WITH INSECTICIDES TO CONTROL SPOTTED ALFALFA APHID IN SOUTHWESTERN KANSAS, 1955-1960.
L J DePew
J Econ Entomol 54(6):1144-1147, 11 REFS.
Dec 1961 421 J822
Alfalfa, Azinphosmethyl, Carbaryl, Carbophenothion, Dicofol, Malathion, Mevinphos, Naled, Parathion, Therioaphis.

4314-68
CONTROL OF VETCH BRUCHID, BRUCHID BRACHIALIS, IN OREGON.
E A Dickason J D Lattin
J Econ Entomol 54(2):219-221
Apr 1961 421 J822
Azinphosmethyl, Bruchus, DDT , Malathion, Methoxychlor, Naled, Oregon, Vetch.

4315-68
INSECTICIDE RESIDUES ON RED CLOVER AFTER CLOVER ROOT BORER CONTROL WITH ALDRIN AND HEPTACHLOR GRANULES.
E A Dickason L C Terriere
J Econ Entomol 54(5):1058-1059, 6 REFS.
Aug 1961 421 J822
Aldrin, Heptachlor, Hylastinus, Insecticide residues, Red clover.

4316-68
BACILLUS THURINGIENSIS TESTED IN CONNECTICUT FOR GYPSY MOTH CONTROL.
C C Doane S W Hitchcock
Agr Chem 19(4):53-54, 3 TABS.
Apr 1964 381 AG8
Porthetria dispar, Spraying, Thuricide.

4317-68
EXPERIMENTS WITH INSECTICIDES APPLIED IN THE SOIL FOR TOBACCO FLEA BEETLE AND GREEN PEACH APHID CONTROL.
C B Dominick
J Econ Entomol 58(2):224-225, 3 REFS.
Apr 1965 421 J822
Epirix, Flue-cured tobacco, Myzus, Tobacco.

4318-68
INSECTS ACTIVE IN SOUTH DURING SPRING.
K Dorward
Agr Chem 15(6):71, 107-108
Jun 1960 381 AG8
Aphididae, Chorizagrotis, Circulifer, Insect outbreaks, Musca, Ostrinia, Schizaphis, Southern United States, Weather.

4319-68
INCREASED EARLY INSECT DETECTION BEARING FRUIT.
K Dorward
Agr Chem 15(3):69, 111
Mar 1960 381 AG8
Haplothrips, Lettuce, Musca, Trichoplusia, Trogoderma.

4320-68
GENERAL INSECT ACTIVITY RESTRICTED.
K. Dorward
Agr Chem 15(4):65, 119
Apr 1960 381 AG8
Aphididae, Circulifer, Lettuce, Schizaphis, Trichoplusia.

4321-68
SYSTEMIC INSECTICIDES FOR CONTROL OF APHIDS ON FIELD-GROWN EASTER LILY.
C F Doucette
J Econ Entomol 54(3):595-597, 2 REFS.
Jun 1961 421 J822
Aphididae, Demeton, Disulfoton, Lilium longiflorum, Phorate.

4322-68
TESTS WITH SYSTEMIC INSECTICIDES ON RICE.
C C Dowling
J Econ Entomol 54(5):937-941, 7 REFS.
Aug 1961 421 J822
Disulfoton, Field crops, Phorate, Rice.

4323-68
POLYBUTENES IN ORCHARD PEST CONTROL.
R S Downing
Can Entomol 94(11):1222-1227, 7 REFS.
Nov 1962 421 C16
Panonychus, Polybutenes, Tetranychus.

4324-68
PEAR LEAF SCORCH AND ITS RELATION TO THE EUROPEAN RED MITE.
G G Dustan A B Stevenson
J Econ Entomol 54(5):918-920, 5 REFS.
Aug 1961 421 J822
DDT , Ethion, Panonychus, Parathion, Pear leaf scorch, Pears.

4325-68
CONTROL OF THE CABBAGE LOOPER WITH A NUCLEAR POLYHEDROSIS VIRUS DISEASE.
J C Elmore
J Econ Entomol 54(1):47-50
Feb 1961 421 J822
Cabbage, Polyhedroses, Trichoplusia.

4326-68
PREDISPOSITION OF PYTHIUM SEEDLING DISEASE AND AN ACTIVATED CHARCOAL-FUNGICIDE INTERACTION AS FACTORS INFLUENCING EMERGENCE OF COTTON SEED TREATED WITH PHORATE.
D C Erwin H T Reynolds M J Garber
J Econ Entomol 54(5):855-858, 8 REFS.
Aug 1961 421 J822
Charcoal, Cotton, Disulfoton, Fungicides, Phorate, Pythium, Seedlings.

4327-68
BIOLOGICAL NOTES ON FIVE RECENTLY IMPORTED PARASITES OF THE EGYPTIAN ALFALFA WEEVIL, HYPERA BRUNNEIPENNIS.
T W Fisher E I Schlinger R van den Bosch
J Econ Entomol 54(1):196-197
Feb 1961 421 J822
Bathyplectes, Ditrachoides, Habrocytus, Hypera, Patasson.

4328-68
LONG-TERM EFFECTIVENESS OF SOIL INSECTICIDES ON THE ALFALFA SNOUT BEETLE LARVA.
H Y Forsythe Jr C S Koehler G G Gyrisco
J Econ Entomol 54(3):601, 1 REF.
Jun 1961 421 J822
Aldrin, Alfalfa, Brachyrhinus, Dieldrin, Heptachlor, Larvae.

4329-68
CONTROL OF INSECTS AND MITES ATTACKING MINT IN CENTRAL WASHINGTON.
K E Frick
J Econ Entomol 54(4):644-649, 12 REFS.
Aug 1961 421 J822
Carbophenothion, Diazinon, Dicofol, Ethion, Mentha spicata, Mevinphos, Naled, Parathion, Tetradifon, Tetranychus, Washington.

4330-68
FIELD EXPERIMENTS ON CONTROL OF OVERWINTERED BOLL WEEVILS.
R E Fye A R Hopkins R L Walker
J Econ Entomol 54(4):622-624, 2 REFS.
Aug 1961 421 J822
Anthonomus grandis, Azinphosmethyl, Carbaryl, Cotton, DDT , Endrin, Hibernation, Malathion, Methyl parathion, Molasses, Toxaphene.

4331-68
SOME STEM BORING INSECTS ASSOCIATED WITH SOYBEANS IN FLORIDA.
W G Genung V E Green Jr
Fla Entomol 48(1):29-33, 24 REFS., 1 FIG.
Mar 1965 420 F662
Florida, Hippopsis, Selenis, Sesbania, Soybeans.

4332-68
CONTROL OF CERTAIN POTATO INSECTS IN ARIZONA WITH SOIL APPLICATIONS OF GRANULATED PHORATE.
P D Gerhardt D L Turley
J Econ Entomol 54(6):1217-1221, 7 REFS., 8 TABS.
Dec 1961 421 J822
Arizona, Myzus persicae, Phorate, Potatoes, Soils.

4333-68
SORGHUM AS A HOST OF THE SOUTHWESTERN CORN BORER.
J R Gifford R R Walton K D Arbuthnot
J Econ Entomol 54(1):16-21
Feb 1961 421 J822
Sorghum, Zeadiatraea.

4334-68
CARBON DISULFIDE EFFECTIVENESS ON FLOUR BEETLES IN RELATION TO TEMPERATURE AND EXPOSURE TIME.
M Govindan L K Cutkomp
J Econ Entomol 54(6):1121-1127, 8 REFS.
Dec 1961 421 J822
Carbon disulfide, Flour, Temperature, Tribolium.

4335-68
CONTROL OF THE TADPOLE SHRIMP, TRIOPS LONGICAUDATUS IN CALIFORNIA RICE FIELDS.
A A Grigarick W H Lange D C Frinfrock
J Econ Entomol 54(1):36-40
Feb 1961 421 J822
Carbaryl, Copper sulfate, DDT , Malathion, Rice, Shellfish, Triops.

4336-68
USE OF TEST CROSSES IN BREEDING CORN FOR RESISTANCE TO EUROPEAN CORN BORER.
W D Guthrie G H Stringfield
J Econ Entomol 54(4):784-787, 13 REFS.
Aug 1961 421 J822
Corn, Crop breeding, Insect genetics, Plant insect resistance, Pyrausta.

4337-68
GRANULARS: THEIR PRESENT AND FUTURE USES.
C Y Haas J R Meehan
Agr Chem 19(2):57, 115
Feb 1964 381 AG8
Insecticides.

4338-68
LABORATORY CULTURE AND DEVELOPMENT IN ELAPHRIA NUCICOLORA (LEPIDOPTERA: NOCTUIDAE).
D H Habeck
Fla Entomol 48(3):187-188, 3 REFS.
Sep 1965 420 F662
Elaphria, Florida, Sugarcane, Watermelons.

4339-68
PHORATE ACCUMULATION BY COTTON PLANTS AND RECOVERY FROM SOIL.
J Hacskaylo D A Lindquist J C Clark
J Econ Entomol 54(3):411-413, 6 REFS., 4 TABS.
Jun 1961 421 J822
Aphididae, Cotton, Phorate.

4340-68
EMERGENCE OF PHORATE-TREATED COTTON SEED AS AFFECTED BY SUBSTRATE MOISTURE AND TEMPERATURE.
J Hacskaylo C D Ranney
J Econ Entomol 54(2):296-298
Apr 1961 421 J822
Cotton, Phorate, Seed treatment, Seeds, Soil fumigation.

4341-68
STUDIES ON THE CONTROL OF THRIPS ATTACKING ONIONS.
J A Harding
J Econ Entomol 54(6):1254-1255, 10 REFS.
Dec 1961 421 J822
Dieldrin, Ethion, Frankliniella, Malathion, Onions, Parathion, Ronnel, Texas, Thrips.

4342-68
EVALUATION OF INSECTICIDES FOR CONTROL OF THE TOBACCO THRIPS ON PEANUTS.
J A Harding
J Econ Entomol 54(1):200-201
Feb 1961 421 J822
Carbophenothion, Diazinon, DDT , Ethion, Frankliniella, Lindane, Parathion, Peanuts, Texas, Toxaphene.

4343-68
GRANULAR SYSTEMIC INSECTICIDES APPLIED TO SPINACH, TURNIPS, AND CABBAGE FOR INSECT CONTROL.
J A Harding D A Wolfenbarger
Fla Entomol 47(2):97-102, 4 REFS., 3 TABS.
Jun 1964 420 F662
Brevicoryne, Cabbage, Diabrotica, Phyllotreta, Spinach, Trichoplusia, Turnips.

4344-68
EFFECT OF INSECTICIDES ON EMERGENCE OF SUGAR-BEET SEEDLINGS AND ON CONTROL OF THE SUGAR-BEET ROOT MAGGOT.
A M Harper C E Lilly P Bergen
J Econ Entomol 54(5):895-900. 7 REFS., 4 TABS.
Aug 1961 421 J822
Carbophenothion, Ethion, Penthion, Heptachlor, Seedlings, Sugar beets, Tetanops.

4345-68
EFFECT OF CERTAIN ANTIBIOTICS AND OTHER COMPOUNDS ON THE TWO-SPOTTED SPIDER MITE.
F H Harries

20 4346-68

J Econ Entomol 54(1):122-124
Feb 1961 421 J822
Carbaryl, Cycloheximide, Cyctovirin, Erythromycin, Tetracycline, Tetranychidae.

4346-68
EFFECTS OF MIXTURES OF CUBE WITH VARIOUS DRUGS ON THE MEXICAN BEAN BEETLE.
F H Harries
J Econ Entomol 54(3):599-600, 7 REFS.
Jun 1961 421 J822
Beans, Leaves, Rotenone.

4347-68
DDT SPRAY FORMULATIONS AND DOSAGES FOR CONTROL OF CORN STEM WEEVIL, HYPERODES HUMILIS.
E D Harris Jr
J Econ Entomol 54(3):546-549, 5 REFS.
Jun 1961 421 J822
Corn, DDT , Heliothis zea, Hyperodes, Laphygma.

4348-68
ADJUVANTS IN SPRAYS FOR INSECT CONTROL ON SWEET CORN.
E D Harris Jr
Fla Entomol 48(3):147-153, 6 REFS., 4 TABS.
Sep 1965 420 F662
Corn, DDT , Heliothis zea, Hyperodes, Spodoptera, Toxaphene.

4349-68
WIREWORM CONTROL ON SWEET CORN IN ORGANIC SOILS.
E D Harris Jr
Fla Entomol 48(3):207-211, 2 REFS., 2 TABS.
Sep 1965 420 F662
Aldrin, Chlordane, Conoderus, Corn, Diazinon, Kepone, Melanotus, Potatoes.

4350-68
SEED SYSTEMICS FOR CONTROL OF APHIDS ON OATS AND BARLEY.
R F Harwood G W Bruehl
J Econ Entomol 54(5):883-885, 6 REFS.
Aug 1961 421 J822
Aphididae, Barley, Bayer 25141, Dimethoate, Disulfoton, Fenthion, Oats, Phorate, Phosphamidon, Seeds.

4351-68
ARAMITE AND KELTHANE SPRAYS FOR TWO-SPOTTED SPIDER MITE CONTROL.
T J Henneberry
Agr Chem 19(4):43-46, 131-132, 12 REFS., 3 TABS.
Apr 1964 381 AG8
Aramite, Dicofol, Surface-active agents, Tetranychus urticae.

4352-68
CONTROL OF MILLIPEDES IN GREENHOUSE SOIL.
T J Henneberry E A Taylor
J Econ Entomol 54(1):197-198
Feb 1961 421 J822
Cyanamid 18133, Dimethoate, Diplopoda, Endrin, Ethion, Greenhouses, Heptachlor, Lindane, O,O-diethyl O-2-pyrazinyl phosphorothioate, Parathion.

4353-68
THE EFFECT OF CLEAN CULTURE AND EARLY SPRING ACARACIDE TREATMENTS ON OVERWINTERING SPIDER MITE POPULATIONS IN OUTDOOR ROSE PLOTS.
T J Henneberry E A Taylor
J Econ Entomol 54(6):1255-1256, 5 REFS.
Dec 1961 421 J822
Aramite, Rosa, Tetradifon, Tetranychidae, Weather.

4354-68
FOLIAGE AND SOIL TREATMENTS FOR THE CONTROL OF FLOWER THRIPS IN OUTDOOR ROSES.
T J Henneberry E A Taylor F F Smith
J Econ Entomol 54(2):233-235
Apr 1961 421 J822
Franklintella, Malathion, Phorate, Rosa.

4355-68
THE EFFECT OF ACARICIDE-FUNGICIDE COMBINATION SPRAYS ON TWO-SPOTTED SPIDER MITE POPULATIONS, BLACKSPOT CONTROL,AND WINTER INJURY TO ROSES.
T J Henneberry E A Taylor J G Palmer
J Econ Entomol 54(4):659-661, 13 REFS.
Aug 1961 421 J822
Aramite, Captan, Diplocarpon, Ferbam, Malathion, Maneb, Rosa, Tetranychus, Zineb.

4356-68
CONTROL OF SPIDER MITES AND BLACK SPOT ON ROSES WITH ACARACIDE-FUNGICIDE SPRAYS AND DUSTS.
T J Henneberry E A Taylor F F Smith A L Boswell
J Econ Entomol 54(1):61-63, 6 TABS.
Feb 1961 421 J822
Aramite, Black spot (rosa), Demeton, Malathion, Maneb, Rosa, Tetranychidae, Zineb.

4357-68
EFFECTS OF INSECTICIDES ON THE PREDACEOUS ARTHROPOD FAUNA OF LOUISIANA SUGARCANE FIELDS.
S D Hensley W H Long L R Roddy W J McCormick E J Cocienne
J Econ Entomol 54(1):146-149
Feb 1961 421 J822
Diatraea, Endrin, Predaceous insects, Solenopsis, Sugarcane.

4358-68
INFLUENCE OF TYPHLODROMUS (T.) PYRI SCHEUTEN ON THE DEVELOPMENT OF BRYOBIA ARBOREA M. AND A. POPULATIONS IN THE GREENHOUSE.
H J Herbert
Can Entomol 94(8):870-873
Aug 1962 421 C16
Apples, Bryobia, Metamorphosis, Typhlodromus.

4359-68
EFFECT OF CURLY TOP AND CUCUMBER MOSAIC VIRUSES ON CANTALOUPS.
O A Hills D L Coudriet R W Brubaker P D Keener
J Econ Entomol 54(5):970-972, 5 REFS.
Aug 1961 421 J822
Cantaloupes, Curly top (cantaloupes), Mosaic (cucumbers).

4360-68
SYSTEMIC CONTROL OF BARK BEETLE.
E B Himelick D Neely
Agr Chem 19(2):82
Feb 1964 381 AG8
Dieback (ulmus), Potassium iodide, Scolytidae, Sodium arsenite.

4361-68
UTILIZATION OF A NUCLEAR POLYHEDROSIS VIRUS TO CONTROL THE CABBAGE LOOPER ON COLE CROPS IN VIRGINIA.
R N Hofmaster L P Ditman
J Econ Entomol 54(5):921-923, 8 REFS.
Aug 1961 421 J822
Broccoli, Cole, DDT , Endrin, Mevinphos, Polyhedroses, Pyrethrum, Toxaphene, Trichoplusia, Virginia.

4362-68
LABORATORY AND FIELD STUDIES ON ORCHARD-MITE RESISTANCE TO KELTHANE.
S C Hoyt F H Harries
J Econ Entomol 54(1):12-16
Feb 1961 421 J822
Apples, Dicofol, Insecticide resistant insects, Tetranychus.

4363-68
EVALUATION OF NEW MATERIALS FOR CODLING MOTH CONTROL IN WASHINGTON.
S C Hoyt
J Econ Entomol 54(6):1127-1130, 9 REFS.
Dec 1961 421 J822
Apples, Azinphosmethyl, Carbaryl, Carbophenothion, Carpocapsa, Diazinon, DDT , Ethion, Malathion, Parathion, Washington.

4364-68
CONTROL OF THE APPLE SUCKER, PSYLLA MALI SCHMIDB., BY THE FUNGUS ENTOMOPHTHORA SPHAEROSPERMA (FRESENIUS).
R P Jaques N A Patterson
Can Entomol 94(8):818-825
Aug 1962 421 C16
Apples, Entomophthora, Psylla.

4365-68
FACTORS INFLUENCING CITRUS RED MITE POPULATIONS ON NAVEL ORANGES AND SCHEDULING OF ACARICIDE APPLICATIONS IN SOUTHERN CALIFORNIA.
L R Jeppson J O Complin M J Jesser
J Econ Entomol 54(1):55-60
Feb 1961 421 J822
Acaricides, California, Oranges, Panonychus.

4366-68
PESTICIDES AND BEES.
C Johansen
Agr Chem 19(3):40

Mar 1964 381 AG8
Aldrin, Aramite, Bees, DDT , Malathion, Nicotine, Pesticides.

4367-68
LARVAE OF NOMOPHILA NOCTUELLA FEEDING ON DOUGLAS-FIR NURSERY SEEDLINGS.
N E Johnson J W Duffield
J Econ Entomol 54(6):1258-1259, 8 REFS.
Dec 1961 421 J822
Larvae, Nomophila, Pseudotsuga.

4368-68
SPRAY PROGRAMS TO CONTROL CITRUS RUST MITE IN FLORIDA.
E E Johnson
J Econ Entomol 54(5):977-979, 8 REFS., 4 TABS.
Aug 1961 421 J822
Chlorobenzilate, Florida, Maneb, Oranges, Phyllocoptruta, Sulfur, Zineb.

4369-68
INCIDENCE OF FIELD SPREAD OF INTERNAL CORK OF SWEET POTATO IN INSECTICIDE-TREATED PLOTS.
E J Kantack W J Martin L D Newsom
J Econ Entomol 54(1):125-127
Feb 1961 421 J822
Aphididae, DDT , Insect vectors, Internal cork virosis, O-O-diethyl S-iscpropylthiomethyl phosphorodithioate, Sweet potatoes.

4370-68
CONTROL OF HUNTING BILLBUGS.
S H Kerr
Fla Entomol 47(4):269-270, 2 REFS., 1 TAB.
Dec 1964 420 F662
Bayer 25141, Disulfoton, Florida, Phorate, Sphenophorus, Zoysiagrass.

4371-68
HARVESTER ANT CONTROL.
G F Knowlton
Agr Chem 19(5):112
May 1964 381 AG8
Messor, Mirex.

4372-68
THE ECONOMIC IMPORTANCE OF THE CLOVER ROOT BORER.
C S Koehler K D Pezer H H Neunzig G G Gyrisco
J Econ Entomol 54(4):631-635, 15 REFS.
Aug 1961 421 J822
Agricultural economics, Aldrin, Dieldrin, Heptachlor, Hylastinus, Red clover.

4373-68
PAVEMENT ANT ATTACKING SUGAR BEETS IN CALIFORNIA.
W H Lange
J Econ Entomol 54(5):1063-1064, 2 REFS., 2 FIGS.
Aug 1961 421 J822
California, Chlordane, Sugar beets, Tetramorium.

4374-68
TESTS WITH SOME INSECTICIDES AGAINST THE PADDY BORER. SCHOENOBIUS INCERTULAS, IN TAIWAN.
S-y Lee
J Econ Entomol 54(4):707-710
Aug 1961 421 J822
Bayer 41831, Dimethoate, Endrin, Parathion, Rice, Schoenobius, Taiwan.

4375-68
INSECTICIDAL SUSCEPTIBILITY OF NYSIUS RAPHANUS, A PEST OF COTTON.
T F Leigh
J Econ Entomol 54(1):120-122
Feb 1961 421 J822
Carbaryl, Cotton, Dieldrin, DDT , Malathion, Nysius, Toxaphene, Trichlorfon.

4376-68
SYSTEMIC ACTIVITY OF DIMETBOATE APPLIED TO COTTON SEEDS.
D A Lindquist J Hacskaylo J C Clark T B Davich
J Econ Entomol 54(6):1132-1135, 18 REFS.
Dec 1961 421 J822
Anthonomus grandis, Aphis, Cotton, Dimethoate, Phorate, Seeds.

4377-68
PREFERRED FEEDING AND EGG LAYING SITES OF THE BOLL WEEVIL AND THE EFFECT OF WEEVIL DAMAGE ON THE COTTON PLANT.
E P Lloyd J L McMeans M E Merkl
J Econ Entomol 54(5):979-984, 7 REFS., 3 TABS., 4 FIGS.
Aug 1961 421 J822
Anthonomus grandis, Cotton, Eggs, Feeding.

4378-68
INTRODUCTION OF EUROPEAN PARASITES OF SITONA SPP. FOR CONTROL OF THE SWEETCLOVER WEEVIL, SITONA CYLINDRICOLLIS, IN CANADA.
C Loan
J Econ Entomol 54(5):1026-1031, 18 REFS., 4 FIGS.
Aug 1961 421 J822
Canada, Sitona, Sweetclover.

4379-68
DUAL LOW DOSAGE APPLICATIONS OF HEPTACHLOR FOR CONTROL OF THE IMPORTED FIRE ANT.
C S Lofgren C E Stringer Jr F J Bartlett W A Banks
Fla Entomol 48(4):265-270, 2 REFS., 2 TABS.
Dec 1965 420 F662
Heptachlor, Solenopsis.

4380-68
FIELD TESTS WITH NEW INSECTICIDES FOR SUGARCANE BORER CONTROL IN LOUISIANA IN 1960.
W H Long S D Hensley E J Concienne W J McCormick
J Econ Entomol 54(6):1155-1156, 3 REFS.
Dec 1961 421 J822
Bacillus thuringiensis, Diatraea, Dimethoate, EPN , Endrin, Fenthion, Nematocide 18133,
O,O-diethyl O-2-pyrazinyl phosphorothioate, Phorate.

4381-68
CLOVER MITE CONTROL STUDIES.
D MacCreary W A Connell
J Econ Entomol 54(5):1062-1063, 1 REF.
Aug 1961 421 J822
Bryobia, Clover, Dichlorophenyl, 2-4, Dicofol, Genite EM-923, Malathion.

4382-68
EVALUATION OF INSECTICIDES AND SAMPLING METHODS AGAINST THE APPLE APHID, APHIS POMI.
H F Madsen P H Westigard L A Falcon
J Econ Entomol 54(5):892-894, 6 REFS.
Aug 1961 421 J822
Aphididae, Aphis, Apples, Dimethoate, Sampling (statistics).

4383-68
LIFE HISTORY AND BIOLOGICAL CONTROL OF CALIGO EURILOCHUS, A PEST OF BANANAS.
F Malo E R Willis
J Econ Entomol 54(3):530-536, 4 REFS., PL.
Jun 1961 421 J822
Bananas, Lepidoptera, Nymphalidae, Xenufens.

4384-68
RESISTANCE OF SWEETCLOVER TO THE SWEETCLOVER APHID.
G R Manglitz H J Gorz
J Econ Entomol 54(6):1156-1160, 10 REFS.
Dec 1961 421 J822
Sweetclover, Therioaphis.

4385-68
LABORATORY TESTS OF SOME INSECTICIDES AGAINST ADULTS OF THE APPLE MAGGOT, RHAGOLETIS POMONELLA.
C W Maxwell
J Econ Entomol 54(3):526-528
Jun 1961 421 J822
Apples, Azinphosmethyl, Calcium arsenate, Carbaryl, Diazinon, Diptera, DDT , Lead arsenate, Malathion, Trypetidae.

4386-68
BIOLOGY OF THE FOUR-SPOTTED FUNGUS BEETLE, GLISCHROCHILUS Q. QUADRISIGNATUS AND ITS EFFECT ON EUROPEAN CORN BORER POPULATIONS.
C E McCoy T A Brindley
J Econ Entomol 54(4):713-717, 12 REFS.
Aug 1961 421 J822
Corn, Glischrochilus, Insect biology, Ostrinia.

4387-68
TESTS WITH INSECTICIDES FOR SEED-CORN MAGGOT CONTROL IN LIMA BEANS.
F L McEwen A C Davis
J Econ Entomol 58(2):369-370, 1 REF., 1 TAB.
Apr 1965 421 J822
Diazinon, Dieldrin, Dimethoate, Hylemya, Insect control, Lima beans, Lindane.

4388-68
FIELD TESTS WITH INSECTICIDES FOR PINK BOLLWORM CONTROL IN 1958.
R L McGarr A J Chapman W L Lowry
J Econ Entomol 54(5):972-974
Aug 1961 421 J822
Azinphosmethyl, Bayer 25141, Benzene hexachloride, Carbaryl, Cotton, DDT , Fenthion, Heliothis zea, Pectinophora gossypiella.

4389-68
AERIAL APPLICATION OF VIRUS FOR CONTROL OF A PINE SAWFLY, NEODIPRION PRATTI PRATTI.
T McIntyre S R Dutky
J Econ Entomol 54(4):809-810, 4 REFS.
Aug 1961 421 J822
Aerial spraying, Pinus, Viruses.

4390-68
EARLY GERM FEEDING AND LARVAL DEVELOPMENT OF THE ANGOUMOIS GRAIN MOTH.
R B Mills
J Econ Entomol 58(2):220-223, TABS.
Apr 1965 421 J822
Larvae, Metamorphosis, Pupae, Sitotroga.

4391-68
A COMPARISON OF THE INJURY TO ALFALFA BY THE APHIDS, THERIOAPHIS MACULATA AND MACROSIPHUM PISI.
T E Mittler E S Sylvester
J Econ Entomol 54(4):615-622, 19 REFS.
Aug 1961 421 J822
Alfalfa, Aphididae, Plant injuries.

4392-68
DASIOPS ALVEOFRONS, A NEW PEST OF APRICOTS IN CALIFORNIA.
H R Moffitt F R Yaruss
J Econ Entomol 54(3):504-505, 12 REFS.
Jun 1961 421 J822
Apricots, California, Dasiops, Lonchaea.

4393-68
CONTROL OF THE ANGOUMOIS GRAIN MOTH, SITOTROGA CEREALELLA, IN STORED EARCORN WITH MALATHION IN ILLINOIS, 1959-1960.
S Moore III g C Decker
J Econ Entomol 54(3):479-482, 4 REFS.
Jun 1961 421 J822
Angoumois, Corn, Illinois, Malathion.

4394-68
THE POPULATION OF PHYTOSEIIDAE ON FLORIDA CITRUS.
M H Muma
Fla Entomol 47(1):5-11, 9 REFS., 4 TABS.
Mar 1964 420 F662
Amblyseius, Citrus, Florida, Phytoseiidae.

4395-68
PHYTOTOXICITY OF WETTING AGENTS ON LYCHEE.
S Nakata Y Tanada
J Econ Entomol 54(6):1074-1076, 9 REFS.
Dec 1961 421 J822
Iso-octyl phenoxy polyethoxy ethanol, Lychee, Phytotoxicity, Surface-active agents, Triton X-100.

4396-68
EFFECTS OF SEASONAL RAINFALL ON RANGE CONDITION AND GRASSHOPPER POPULATION, SAN CARLOS APACHE INDIAN RESERVATION, ARIZONA.
N J Nerney
J Econ Entomol 54(2):382-385, 4 REFS., 1 TAB.
Apr 1961 421 J822
Grasshoppers, Weather.

4397-68
CONTROL OF RED RUST THRIPS ON BANANAS IN HONDURAS.
J L Nickel
J Econ Entomol 54(6):1071-1074, 4 REFS.
Dec 1961 421 J822
Bananas, Chaetanophothrips, Dieldrin, Honduras.

4398-68
CONTROL OF THE APPLE MAGGOT AND PLUM CURCULIO WITH SOIL INSECTICIDES.
E R Oatman E P Lichtenstein
J Econ Entomol 54(5):1056-1057, 5 REFS.
Aug 1961 421 J822
Aldrin, Apples, Conotrachelus, Dieldrin, Heptachlor, Plums, Rhagoletis.

4399-68
CONTROL OF PECAN NUT CASEBEARER.
A M Phillips
Fla Entomol 47(1):45-47, 3 REFS., 2 TABS.
Mar 1964 420 F662
Acrobasis, DDT , Malathion, Parathion, Pecans.

4400-68
COTTON FIBER QUALITY AS RELATED TO SOME COTTON INSECT CONTROL PROGRAMS AND TIME OF FRUIT SETTING.
L Phillips A D Oliver L Finley
J Econ Entomol 54(6):1131-1132
Dec 1961 421 J822
Azinphosmethyl, Cotton, DDT , Fibers, Methyl parathion, Toxaphene.

4401-68
AN EVALUATION OF INSECT RESISTANCE IN BROCCOLI, BRUSSELS SPROUTS, CABBAGE, COLLARDS, AND KALE.
D Pimentel
J Econ Entomol 54(1):156-158
Feb 1961 421 J822
Brassica, Brevicoryne, Chrysomelidae, Insect resistant plants, Insects, Lygus, Myzus, Phyllotreta, Pieris.

4402-68
NATURAL CONTROL OF CATERPILLAR POPULATIONS ON COLE CROPS.
D Pimentel
J Econ Entomol 54(5):889-892, 10 REFS.
Aug 1961 421 J822
Caterpillars, Cole, Natural control (insects).

4403-68
NATURAL CONTROL OF APHID POPULATIONS ON COLE CROPS.
D Pimentel
J Econ Entomol 54(5):885-888, 14 REFS.
Aug 1961 421 J822
Aphididae, Cole, Natural control (insects), Population.

4404-68
CYCLICAL CHANGES IN NUMBERS OF MOTHS AND LARVAE OF THE PEACH TWIG BORER IN CALIFORNIA.
P W Price F M Summers
J Econ Entomol 54(5):933-936, 5 REFS.
Aug 1961 421 J822
Anarsia, California, Fruit, Insect behavior, Larvae, Moths.

4405-68
ARTHROPOD PESTS COLLECTED IN OKLAHOMA GREENHOUSES.
R G Price R R Walton W A Drew
J Econ Entomol 54(4):819-821, 2 REFS.
Aug 1961 421 J822
Arthropoda, Greenhouses, Oklahoma, Ornamental plants.

4406-68
INTRODUCTION, COLONIZATION, AND ESTABLISHMENT OF BATHYPLECTES CURCULIONIS, A PARASITE OF THE ALFALFA WEEVIL IN THE EASTERN UNITED STATES.
B Puttler D W Jones L W Coles
J Econ Entomol 54(5):878-880, 10 REFS.
Aug 1961 421 J822
Alfalfa, Bathyplectes, Hypera, Malathion.

4407-68
A LABORATORY TEST OF THREE SYSTEMIC INSECTICIDES AGAINST THE SPRUCE BUDWORM, CHORISTONEURA FUMIFERANA (CLEM.).
A P Randell
Can Entomol 94(11):1156-1161, 9 REFS.
Nov 1962 421 C16
Choristoneura, Dimethoate, Menazon, Phosphamidon, Picea, Systemic insecticides.

4408-68
SCABBING OF RUTABAGAS AFTER APPLICATIONS OF HEPTACHLOR, PARATHION, AND LIME TO MINERAL SOILS OF VARIOUS ACIDITIES.
D C Read D B Robinson
J Econ Entomol 54(1):193-194
Feb 1961 421 J822
Lime, Parathion, Prince edward island, Rutabagas, Scab (rutabagas).

4409-68
CONTROL OF THE TARNISHED PLANT BUG, LYGUS LINEOLARIS, ON BIRDSFOOT TREFOIL GROWN FOR SEED.
R L Ridgway G G Gyrisco
J Econ Entomol 54(2):244-246
Apr 1961 421 J822
Aldrin, Birdsfoot trefoil, DDT , Lygus, Parathion, Toxaphene.

4410-68
A NEW SPECIES OF ALEURODICUS DOUGLAS AND TWO CLOSE RELATIVES (HOMOPTERA: ALEYRODIDAE).
L M Russell
Fla Entomol 48(1):47-55, 2 REFS., 1 FIG.
Mar 1965 420 F662
Aleurodicus, Avocados, Citrus, Florida, Guavas, Insect taxonomy, Palmae.

4411-68
EXPERIMENTS WITH INSECTICIDES FOR CONTROL OF THE GREEN PEACH APHID ON POTATOES.
R Schopp B J Landis G T Hagel
J Econ Entomol 54(5):1003-1007
Aug 1964 421 J822
Aphididae, Endosulfan, Endrin, Myzus, Parathion, Potatoes.

4412-68
A PHYSIOLOGICAL RESPONSE OF POTATO TO FOLIAR APPLICATIONS OF THE INSECTICIDE, GUTHION.
J T Schulz
J Econ Entomol 54(5):839-840, 4 REFS.
Aug 1961 421 J822
Azinphosmethyl, Endosulfan, Endrin, Phorate, Potatoes.

4413-68
EXPERIMENTS WITH GRANULATED SYSTEMIC INSECTICIDES FOR CONTROL OF INSECTS ON POTATOES, LIMA BEANS AND SWEET CORN.
P H Schwartz Jr C E Osgood L P Ditman
J Econ Entomol 54(4):663-665, 3 REFS.
Aug 1961 421 J822
Corn, Disulfoton, Endosulfan, Lima beans, Phosphamidon, Potatoes.

4414-68
THE EFFICIENCY OF A POLYHEDROSIS VIRUS AND BACILLUS THURINGIENSIS FOR CONTROL OF THE CABBAGE LOOPER ON CAULIFLOWER.
M Semel
J Econ Entomol 54(4):698-701, 6 REFS.
Aug 1961 421 J822
Bacillus, Cauliflower, Polyhedroses, Trichoplusia.

4415-68
AIRPLANE APPLICATIONS OF MALATHION BAIT SPRAY FOR MEXICAN FRUIT FLY CONTROL.
J G Shaw
J Econ Entomol 54(3):600-601, 4 REFS.
Jun 1961 421 J822
Aerial spraying, Anastrepha, Baits, Grapefruit, Malathion.

4416-68
EXPLORATORY STUDIES WITH SOIL TOXICANTS TO CONTROL THE MEXICAN FRUIT FLY.
J G Shaw M Sanchez Riviello
J Econ Entomol 54(4):666-668, 5 REFS.
Aug 1961 421 J822
Aldrin, Anastrepha, Chlordane, Dieldrin, Endrin, Fruit, Heptachlor, Lindane, Toxaphene.

4417-68
EFFECT OF VARIOUS INSECTICIDE TREATMENTS ON POPULATIONS OF THE GREEN PEACH APHID ON PEPPERS IN SOUTHERN CALIFORNIA.
H H Shorey
J Econ Entomol 54(2):279-282, TABS.
Apr 1961 421 J822
California, Diazinon, Dimethoate, Insecticide application, Myzus, Naled, Parathion, Rotenone.

4418-68
LABORATORY AND FIELD TESTS OF NEW INSECTICIDES FOR GRASSHOPPER CONTROL.
F E Skoog F T Cowan R V Connin
J Econ Entomol 54(1):170-174
Feb 1961 421 J822
Bayer 25141, Carbaryl, Diazinon, Fenthion, Grasshoppers, Malathion, Naled.

4419-68
THE ROLE OF ESTERASES IN PARATHION POSIONING OF EGGS OF THE LARGE MILKWEED BUG.
E H Smith E H Salkeld
J Econ Entomol 58(2):188-195, BIBL. 194-195, TABS.
Apr 1965 421 J822
Insect eggs, Oncopeltus, Parathion.

4420-68
THE INFLUENCE OF OIL VISCOSITY AND TIMING OF TREATMENT ON SEMIDORMANT CONTROL OF EUROPEAN FRUIT LECANIUM.
E H Smith J H H Phillips
J Econ Entomol 54(6):1165-1171, 4 REFS.
Dec 1961 421 J822
Fruit, Lecanium, LS 0441, Paraffin oils, Prorex no. 1, Prorex no. 2, Sun Oil (X-88798), Viscosity.

4421-68
LABORATORY REARING OF THE PEACH TREE BORER AND NOTES ON ITS BIOLOGY.
E H Smith
J Econ Entomol 58(2):228-236, TABS.
Apr 1965 421 J822
Peaches, Sanninoidea.

4422-68
CONTROL OF THE PEACH TREE BORER WITH GUTHION, PARATHION AND THICDAN.
E H Smith
J Econ Entomol 54(4):668-670, 7 REFS.
Aug 1961 421 J822
Azinphosmethyl, Endosulfan, Parathion, Peaches, Sanninoidea.

4423-68
THE ROLE OF ATTRACTANTS IN THE RECENT MEDITERRANEAN FRUIT FLY ERADICATION PROGRAM IN FLORIDA.
L F Steiner G G Rohwer E L Ayers L D Christenson
J Econ Entomol 54(1):30-35
Feb 1961 421 J822
Baits, Ceratitis, Florida, Spraying.

4424-68
FURTHER STUDIES OF INTEGRATED CONTROL METHODS AGAINST THE EGYPTIAN ALFALFA WEEVIL IN CALIFORNIA.
V M Stern
J Econ Entomol 54(1):50-55
Feb 1961 421 J822
Alfalfa, California, Heptachlor, Hypera.

4425-68
EFFECT OF METHYL BROMIDE AND HYDROCYANIC ACID FUMIGATION ON THE GERMINATION OF CORN SEED.
R G Strong D L Lindgren
J Econ Entomol 54(4):764-770, 12 REFS.
Aug 1961 421 J822
Corn, Fumigation, Hydrocyanic acid, Insect control, Methyl bromide, Seeds.

4426-68
GERMINATION OF SMALL LEGUME SEEDS AFTER FUMIGATION WITH METHYL BROMIDE AND HYDROCYANIC ACID.
R G Strong D L Lindgren
J Econ Entomol 54(1):21-25
Feb 1961 421 J822
Hydrocyanic acid, Legumes, Methyl bromide, Seed germination, Trogoderma.

4427-68
SEQUENTIAL PLANS FOR SAMPLING APHIDS ON SUGAR BEETS IN KERN COUNTY, CALIF.
E S Sylvester E L Cox
J Econ Entomol 54(6):1080-1085, 17 REFS., 4 TABS.
Dec 1961 421 J822
Aphididae, California, Myzus, Sampling (statistics), Sugar beets, Yellows (sugar beets).

4428-68
APHID CONTROL TRIALS ON SUGAR BEETS AND VIRUS YELLOWS DISEASE IN KERN COUNTY, CALIFORNIA.
E S Sylvester V E Burton G V Ferry
J Econ Entomol 54(4):758-761, 3 REFS.
Aug 1961 421 J822
Aphididae, California, Demeton, Disulfoton, Sugar beets, Yellows (sugar beets).

4429-68
LODGEPOLE NEEDLE MINER PARASITES: BIOLOGICAL CONTROL AND INSECTICIDES.
A D Telford
J Econ Entomol 54(2):347-355, 20 REFS., 2 FIGS.
Apr 1961 421 J822
Malathion, Recurvaria, Yosemite national park.

4430-68
SYSTEMIC INSECTICIDES FOR SIX-SPOTTED LEAFHOPPER CONTROL AND REDUCTION OF INCIDENCE OF LETTUCE YELLOWS.
L S Thompson W A Rawlins
J Econ Entomol 54(6):1173-1176, 1 REF.
Dec 1961 421 J822
Dimethoate, Disulfoton, Insect vectors, Macrosteles, Phorate, Yellows (lettuce).

20 4431-68

4431-68
RESISTANCE IN NICOTIANA TO THE GREEN PEACH APHID AND SOME OTHER TOBACCO INSECT PESTS.
R Thurston
J Econ Entomol 54(5):946-949
Aug 1961 421 J822
Insecticide resistant insects, Myzus, Nicotiana, Tobacco.

4432-68
CONTROL OF SPARGANOTHIS SULFURANA ON CRANBERRY.
W E Tomlinson Jr
J Econ Entomol 54(4):811, 8 REFS.
Aug 1961 421 J822
Azinphosmethyl, Carbaryl, Cranberries, Diazinon, DDT , Ethion, Parathion, Trichlorfon.

4433-68
THE RELATIONSHIP OF SPATHIMEIGENIA SPINIGERA TOWNSEND (DIPTERA: TACHINIDAE) TO ITS HOST, NEODIPRION SWAINEI MIDD. (HYMENOPTERA: DIPRIONIDAE).
H A Tripp
Can Entomol 94(8):809-818
Aug 1962 421 C16
Diprionidae, Diptera, Hymenoptera, Neodiprion, Pinus, Spathimeigenia, Tachinidae.

4434-68
THE COTTON LEAF PERFORATOR AND ITS CONTROL IN ARIZONA.
D M Tuttle G P Wene L W Sheets
J Econ Entomol 54(1):67-70
Feb 1961 421 J822
Arizona, Bucculatrix, Carbaryl, Cotton, Dilan, Dimethoate, DDT , Endrin, Malathion, Methanophthalan, 1,3,4,6,7,8,8-, Methyl parathion, Naled, SD 4402, Strobane, Toxaphene.

4435-68
A NEW ERIOPHYID MITE INFESTING BERMUDA GRASS.
D M Tuttle G D Butler Jr
J Econ Entomol 54(5):836-838, 1 REF
Aug 1961 421 J822
Aceria, Diazinon, Grasses.

4436-68
SILIKIL: A NEW CONCEPT OF INSECT CONTROL.
Agr Chem 15(2):49, 105-106
Feb 1960 381 AG8
Citrus, Dehydration (physiological), Grasshoppers, Silica, Silikil.

4437-68
EMERGENCE OF OVERWINTERED PINK BOLLWORM IN ARIZONA.
G P Wene L W Sheets H E Woodruff
J Econ Entomol 54(1):192
Feb 1961 421 J822
Arizona, Cotton, Hibernation, Pectinophora gossypiella.

4438-68
CONTROL OF THE BEET ARMYWORM ON COTTON IN ARIZONA.
G P Wene L W Sheets
J Econ Entomol 54(1):192-193
Feb 1961 421 J822
Arizona, Cotton, DDT , Methyl parathion, Naled, Trichlorfon.

4439-68
CONTROL OF APHIDS AND SPIDER MITES ON STRAWBERRIES WITH DUSTS AND LOW- AND HIGH-GALLONAGE SPRAYS.
J Wilcox A F Howland
J Econ Entomol 54(2):287-292
Apr 1961 421 J822
Aphididae, California, Dusting, Insecticide application, Spraying, Strawberries, Tetranychidae.

4440-68
NEODIPRION MERKELI FROM SOUTH FLORIDA.
R C Wilkinson
Fla Entomol 48(4):271, 1 REF.
Dec 1965 420 F662
Neodiprion, Pinus.

4441-68
THE REVERSAL OF SOME EFFECTS OF A SURFACTANT ON PESTICIDE DEPOSITS ON FOLIAGE BY DIFFERENT METHODS OF APPLICATION.
K Williams D P Pielou
Can Entomol 94(8):874
Aug 1962 421 C16
Carbaryl, Leaves, Plyac, Surface-active agents.

4442-68
RESISTANCE TO THE MEXICAN BEAN BEETLE IN SEVERAL BEAN GENERA AND SPECIES.
D Wolfenbarger J P Sleesman
J Econ Entomol 54(5):1018-1022, 12 REFS.
Aug 1961 421 J822
Beans, Epilachna, Kidney beans, Lima beans, Plant insect resistance.

4443-68
RESISTANCE TO COMMON BEAN LINES TO THE POTATO LEAFHOPPER.
D Wolfenbarger J P Sleesman
J Econ Entomol 54(5):846-849, 13 REFS., 3 TABS.
Aug 1961 421 J822
Beans, Empoasca, Plant insect resistance.

4444-68
INSECTICIDES AND COMBINATIONS OF INSECTICIDES WITH OILS AND SURFACTANTS FOR INSECT CONTROL ON VARIOUS VEGETABLE CROPS.
D A Wolfenbarger
Fla Entomol 48(3):193-204, 5 REFS., 9 TABS.
Sep 1965 420 F662
Brevicoryne, Cabbage, Macrosiphum, Paraffin oils, Parathion, Pemphigus, Phosphamidon, Rhopalosiphum, Tomatoes, Trichoplusia, Turnips.

4445-68
INSECTICIDES AND INSECTICIDE-OIL COMBINATIONS FOR CORN EARWORM, BOLL WEEVIL, AND COWPEA CURCULIO CONTROL.
D A Wolfenbarger
Fla Entomol 48(2):101-109, 4 REFS., 9 TABS.
Jun 1965 420 F662
Anthonomus grandis, Azinphosmethyl, Chalcodermus, DDT , Heliothis zea, Methyl parathion, Paraffin oils, Parathion, Toxaphene.

4446-68
SOIL-APPLIED SYSTEMATIC INSECTICIDES IN RELATION TO INSECT AND MITE CONTROL ON VARIOUS VEGETABLE CROPS.
D A Wolfenbarger M P Schuster L W Getzin
Fla Entomol 48(3):173-182, 10 REFS., 5 TABS., 1 FIG.
Sep 1965 420 F662
Brevicoryne, Cabbage, Cantaloupes, Dimethoate, Disulfoton, Lettuce, Liriomyza, Macrosiphum, Pemphigus, Phorate, Tetranychidae, Tomatoes.

4447-68
AVOCADO WHITEFLY CONTROL.
D O Wolfenbarger
Fla Entomol 47(3):209-212, 2 REFS., 4 TABS.
Sep 1964 420 F662
Avocados, Bayer 37344, Carbaryl, Trialeurodes.

4448-68
WIREWORM-CONTROL EXPERIMENTS ON POTATOES AND CORN IN SOUTH FLORIDA.
D O Wolfenbarger
Fla Entomol 48(2):85-88, 2 REFS., 2 TABS.
Jun 1965 420 F662
Conoderus, Elateridae, Melanotus, Phorate.

4449-68
DESCRIPTION AND RESULTS OF A NEW GREENHOUSE TECHNIQUE FOR EVALUATING TOLERANCE OF SMALL GRAINS TO THE GREENBUG.
E A Wood
J Econ Entomol 54(2):303-305
Apr 1961 421 J822
Grain, Plant pest resistance, Schizaphis.

4450-68
EFFECTS OF VARIOUS SOIL TYPES AND METHODS OF APPLICATION UPON UPTAKE OF THREE SYSTEMIC INSECTICIDES BY COTTON PLANTS IN THE GREENHOUSE.
M Zaki H T Reynolds
J Econ Entomol 54(3):568-572, 15 REFS.
Jun 1961 421 J822
Alfalfa, Cotton, Demeton, Dimethoate, Phorate.

Nematodes

4451-68
BIOLOGICAL CONTROL PLANS.
Agr Chem 19(2):87
Feb 1964 381 AG8
Alternanthera philoxeroides, Chrysomelidae.

4452-68
ONE HUNDRED PLANES TO SPRAY BUDWORM IN NEW BRUNSWICK.
Agr Chem 15(5):84
May 1960 381 AG8
Aerial spraying, DDT , New Brunswick, Salmon.

4453-68
METHODS OF APPLICATION FOR NEMATODE CONTROL.
Agr Chem 15(1):63, 95-96, 1 TAB.
Jan 1960 381 AG8
Dibromo-3-chloropropane, 1,2-, DBCP , Root-knot nematode, Squash.

4454-68
FECUNDITY AND LONGEVITY OF THE ADULT FEMALE PINK BOLLWORM REARED ON NATURAL AND SYNTHETIC DIETS.
P L Adkisson
J Econ Entomol 54(6):1224-1227, 12 REFS., 3 TABS.
Dec 1961 421 J822
Cotton, Longevity, Oviposition, Pectinophora gossypiella.

4455-68
APPRAISAL OF INSECTICIDAL GRANULES IN THE ROW AGAINST DAMAGE BY THE NORTHERN CORN ROOTWORM.
J W Apple
J Econ Entomol 54(5):833-836, 7 REFS.
Aug 1961 421 J822
Aldrin, Corn, Diabrotica, Diazinon, Dimethoate, Disulfoton, Ethion, Granules, Heptachlor, Lindane, Phorate.

4456-68
THE USE OF BALSAM FIR SHOOT ELONGATION FOR TIMING SPRUCE BUDWORM AERIAL SPRAY PROGRAMS IN THE LAKE STATES.
J L Bean
J Econ Entomol 54(5):996-1000, 4 REFS., 5 FIGS.
Aug 1961 421 J822
Abies, Choristoneura, DDT .

4457-68
TREATED BAGS FOR CONTROL OF THE CORN EARWORM AND FALL ARMYWORM.
C C Blickenstaff L F Bauman
J Econ Entomol 54(3):587-591, 2 REFS.
Jun 1961 421 J822
Aldrin, Bags, Chlordane, Corn, Dieldrin, DDT , Heliothis zea, Heptachlor, Laphygma, Toxaphene.

4458-68
RESISTANCE OF SQUASH VARIETIES TO THE PICKLEWORM AND THE VALUE OF RESISTANCE TO INSECTICIDAL CONTROL.
C H Brett C L McCombs D M Daugherty
J Econ Entomol 54(6):1191-1197, 13 REFS.
Dec 1961 421 J822
Diaphania, Insect resistant plants, Squash.

4459-68
FALL EUROPEAN CORN BORER COUNTS ARE UP IN 16 STATES.
R Dorward
Agr Chem 19(3):95, 129-130
Mar 1964 381 AG8
Aphididae, Chorizagrotis auxiliaris, Corn, Grasshoppers, Ostrinia nubilalis, Psila rosae.

4460-68
ELM SPANWORM EGG MASS STUDIES.
A T Drooz J D Solomon
J Econ Entomol 54(5):1060-1061
Aug 1961 421 J822
Carya, Eggs, Ennomos, Quercus.

4461-68
FACTORS INVOLVED IN DIFFERENTIAL SUSCEPTIBILITY OF CORN EARWORM LARVAE TO DDT. .
R T Gast
J Econ Entomol 54(6):1203-1206, 5 REFS.
Dec 1961 421 J822
Corn, DDT , Heliothis zea.

4462-68
EFFECTIVENESS OF DDT FOR CABBAGE CATERPILLAR CONTROL IN INDIANA, 1945 TO 1960.
G E Gould
J Econ Entomol 54(3):475-478, 7 REFS.
Jun 1961 421 J822
Cabbage, DDT , Endrin, Toxaphene.

4463-68
EVALUATION OF THIODAN AND SEVIN FOR CONTROL OF WEBWORMS IN SUGAR BEETS.
A F Hagen
J Econ Entomol 54(4):799
Aug 1961 421 J822
Carbaryl, Endosulfan, Endrin, Loxostege, Sugar beets.

4464-68
EGG PARASITISM AND LARVAL HABITS OF THE ORANGE-STRIPED OAKWORM.
S W Hitchcock
J Econ Entomol 54(3):502-503. 7 REFS.
Jun 1961 421 J822
Anisota, Eggs, Larvae, Parasitic insects, Quercus.

4465-68
CHEMICAL CONTROL OF SLUGS IN ORCHARD GRASS-LADINO WHITE CLOVER PASTURES IN THE PACIFIC NORTHWEST.
A J Howitt
J Econ Entomol 54(4):778-781, 2 REFS.
Aug 1961 421 J822
Ladino clover, Metaldehyde, Slugs.

4466-68
ACARICIDES FOR CITRUS MITE CONTROL.
L R Jeppson
Agr Chem 19(2):80-81, 114
Feb 1964 381 AG8
Acaricides, Aceria sheldoni, Aramite, Citrus.

4467-68
THE JACK-PINE BUDWORM AS A PEST OF OTHER CONIFERS WITH SPECIAL REFERENCE TO RED PINE.
H M Kulman A C Hodson
J Econ Entomol 54(6):1221-1224, 11 REFS.
Dec 1961 421 J822
Choristoneura, Pinus.

4468-68
STUDIES OF AN INTEGRATED CONTROL SYSTEM FOR HORNWORMS ON TOBACCO.
F R Lawson R L Raab F E Guthrie T G Bowery
J Econ Entomol 54(1):93-97
Feb 1961 421 J822
Biological control, Endrin, Sphingidae, TDE .

4469-68
SYSTEMIC ACTIVITY OF BIDRIN IN THE COTTON PLANT.
D A Lindquist D L Bull B L Ridgway
J Econ Entomol 58(2):200-203, TABS.
Apr 1965 421 J822
Bidrin, Cotton.

4470-68
INCIDENCE OF PINK BOLLWORM RESISTANCE TO DDT. .
W L Lowry C H Tsao
J Econ Entomol 54(6):1209-1211, 3 REFS.
Dec 1961 421 J822
Cotton, DDT , Mexico, Moths, Pectinophora gossypiella.

4471-68
THE NAVEL ORANGEWORM IN NORTHERN CALIFORNIA.
A E Michelbacher C S Davis
J Econ Entomol 54(3):559-562, 10 REFS.
Jun 1961 421 J822
Azinphosmethyl, California, Carbaryl, DDT , Dryness, Heat, Paramyelois, Walnuts.

4472-68
EFFECT OF ORGANIC MANURES ON NATURAL ENEMIES OF NEMATODES IN SOIL.
B A Oteifa D M Elgindi H Z Abduleid
J Sci Food Agr 16(7):II-3-7

20 4473-68

Jul 1965 382 S012
Manures, Nematode controlling fungi, Nematodes, Predaceous nematodes.

4473-68
SHORT-DAY COTTON STOCKS AS POSSIBLE SOURCES OF HOST PLANT RESISTANCE TO THE PINK BOLLWORM.
D K Reed P L Adkisson
J Econ Entomol 54(3):484.486, 6 REFS.
Jun 1961 421 J822
Cotton, Pectinophora, Plant insect resistance.

4474-68
SYSTEMIC INSECTICIDES AS SOIL TREATMENTS FOR CONTROL OF THE MIMOSA WEBWORM, HOMADAULA ALBIZZIAE.
J G Rodriguez
J Econ Entomol 54(3):523-525, 7 REFS.
Jun 1961 421 J822
Demeton, Dieldrin, Disulfoton, Homadaula, Malathion, Mimosa, Phorate, Soil treatment, Toxaphene.

4475-68
CHEMICAL CONTROL OF THE GROUND PEARL, EUMARGARODES LAINGI.
W T Spink J R Dogger
J Econ Entomol 54(3):423-424, 2 REFS.
Jun 1961 421 J822
Demeton, Eumargarodes, Malathion, Trichlorfon.

4476-68
EFFECT OF REPEATED APPLICATIONS OF NEMATOCIDES ON VEGETABLE YIELDS AND NEMATODE POPULATIONS IN A MUCK SOIL.
J D Wilson O Hedden
J Sci Food Agr 16(7):II-13-4
Jul 1965 382 S012
Crop yields, Dichloropropane dichloropropene mixture, Ethylene dibromide, Muck soils, Nematocides, Pratylenchus, Scab (potatoes).

4477-68
THE EFFECT OF PLANT TYPE UPON CORN EARWORM CONTROL IN SWEET CORN.
J W Wilson E V Walter
J Econ Entomol 54(4):689-692, 5 REFS.
Aug 1961 421 J822
Corn, Crop varieties, DDT , Heliothis zea.

Weeds

4478-68
CROP PRODUCTION IN A WEED-FREE ENVIRONMENT.
Weed Res 3(1):71-72
Mar 1963 79.8 W412
Crop yields, Weed control.

4479-68
COTTON CONTROL GRANT.
Agr Chem 19(4):117
Apr 1964 381 AG8
Cotton, Herbicides, Sorghum halepense.

4480-68
APPLYING GRANULAR HERBICIDES.
Agr Chem 15(6):66, 109
Jun 1960 381 AG8
Eptam, Granular herbicides, Planting equipment, Randox, Simazine.

4481-68
ALFALFA WEED CONTROL.
Agr Chem 19(5):111
May 1964 381 AG8
Alfalfa, Weed control, 2,4-d.

4482-68
REPORT OF THE FIRST MEETING OF THE EUROPEAN WEED RESEARCH COUNCIL COMMITTEE ON AQUATIC WEED CONTROL.
Weed Res 3(1):69-70
Mar 1963 79.8 W412
Agricultural research, Aquatic weeds, Europe, Weed control.

4483-68
HIGHWAY WEED CONTROL.
Agr Chem 19(5):90
May 1964 381 AG8
Herbicides, Roads, Roots, Weed control.

4484-68
UPWARD TREND CONTINUES: HERBICIDES LEAD INCREASE IN PESTICIDE SALES.
Agr Chem 20(10):46
Oct 1965 381 AG8
Herbicides, Sales.

4485-68
ROADSIDE WEED CONTROL WITH CHEMICALS.
Agr Chem 19(5):71
May 1964 381 AG8
Atrazine, Soil sterilization, Weed control.

4486-68
SIMAZINE BREAKDOWN.
Agr Chem 19(6):54B
Jun 1964 381 AG8
Herbicides, Toxicology.

4487-68
THE MOVEMENT OF LABELLED 2,4-D IN YOUNG BARLEY PLANTS.
W van der Zweep
Weed Res 1(4):258-266
Dec 1961 79.8 W412
Barley, Plant translocation, 2,4-D.

4488-68
REPORT OF THE FOURTH GERMAN CONFERENCE ON WEED BIOLOGY AND WEED CONTROL.
W van der Zweep
Weed Res 1(4):307-310
Dec 1961 79.8 W412
Symposia, Weed control.

4489-68
REPORT ON THE EWRC<- COLUMA SYMPOSIUM ON HERBICIDES, PARIS, 13TH-14TH DECEMBER, 1961.
W van der Zweep
Weed Res 2(3):220-225
Sep 1962 79.8 W412
Herbicides, Symposia.

4490-68
ORGANIZATION OF WEED RESEARCH IN SWEDEN.
E Aberg B Granstrom
Weed Res 3(1):66-68
Mar 1963 79.8 W412
Agricultural research, Sweden, Weeds.

4491-68
ABSORPTION AND DISTRIBUTION OF DIURON-C14.
D E Bayer S Yamaguchi
Weeds 13(3):232-235, 6 REFS., 8 FIGS.
Jul 1965 79.8 W41
Absorption (biological), Autoradiography, Barley, Diuron, Foliar application, Kidney beans, Soybeans.

4492-68
THE EFFECTS OF SURFACTANTS ON EFFICIENCY OF FOLIAR-APPLIED DIURON.
D E Bayer H R Drever
Weeds 13(3):222-226, 6 REFS., 8 TABS.
Jul 1965 79.8 W41
Diuron, Foliar application, Oats.

4493-68
CHEMICAL CONTROL OF MUGWORT.
S W Bingham
Weeds 13(3):239-242, 5 REFS., 6 TABS.
Jul 1965 79.8 W41
Amino-3,5,6-trichloropicolinic acid, 4-, Dicamba, Ethyl N,N-dipropylthiolcarbamate, Fenac, Picloram, Propyl dipropylthiolcarbamate, Soil fumigation, Spraying, Trichlorophenylacetic acid, 2,3,6-, 2,4-D.

4494-68
THE EFFECT OF 4,6-DINITRO-O-CRESOL (DNCC) ON GROWTH, DEVELOPEMENT AND YIELD OF WINTER RYE (SECALE CEREALE L.).
J Bruinsma
Weed Res 2(2):73-89, 15 REFS., 11 FIGS.
Jun 1962 79.8 W412
Dinitrocresol, Secale.

4495-68
FURTHER INVESTIGATIONS INTO THE FIELD USE OF A MIXTURE OF ENDOTHAL AND PROPHAM FOR PRE-EMERGENCE APPLICATION TO SUGAR BEET.
J J B Caldicott
Weed Res 2(2):100-109, 4 TABS.
Jun 1962 79.8 W412
Endothal, Soil series, Sugar beets.

4496-68
THE RESPONSE TO VARIATIONS IN NITROGEN LEVEL OF SOME WEED SPECIES OF THE SUDAN.
Chadwick M Obeid
Weed Res 3(3):230-241, 29 REFS., 7 TABS., 4 PLS.
Sep 1963 79.8 W412
Argemone, Calotropis, Cotton, Cynodon, Cyperus, Dactyloctenium, Nitrogen.

4497-68
HERBICIDE PRACTICE IN ARABLE FARMING DISTRICTS OF EASTERN ENGLAND, 1959-60.
B M Church C V T Dadd T E Miller J B Page
Weed Res 2(3):153-164, 13 TABS.
Sep 1962 79.8 W412
Arable farming, England, Meccprop, MCPA .

4498-68
GRANULAR HERBICIDE USE UP, ILLINOIS APPLICATORS ARE TOLD.
P A Close
Agr Chem 15(3):60-61, 117-118
Mar 1960 381 AG8
Defoliants, Grasshoppers, Malathion, Musca, Toxaphene, 2,4-D.

4499-68
SELECTIVE ACTION OF SOLAN ON TOMATO AND EGGPLANT.
S R Colby G F Warren
Weeds 13(3):257-263, 23 REFS., 6 TABS., 4 FIGS.
Jul 1965 79.8 W41
Chloro-2-methyl-p-valerotoluidide, 3-, Eggplant, Phosphorylation, Solan, Tomatoes.

4500-68
COMPETIIION BETWEEN IRRIGATED SUGAR BEETS AND ANNUAL WEEDS.
J H Dawson
Weeds 13(3):245-249, 5 REFS., 4 FIGS., 2 TABS.
Jul 1965 79.8 W41
Agricultural competition, Amaranthus, Annual plants, Avena fatua, Barnyardgrass, Chenopodium, Echinocloa, Irrigation, Lambsquarters, Nightshades, Pigweeds, Solanum, Sugar beets.

4501-68
THE PHYTOTOXICITY AND PERSISTENCE IN SOILS OF BENZOIC ACID HERBICIDES.
T W Donaldson C L Foy
Weeds 13(3):195-202, 17 REFS., 4 FIGS., 6 TABS.
Jul 1965 79.8 W41
Amiben, Dicamba, Herbicide residual effectiveness, Trichlorobenzoic acid, 2,3,6-.

4502-68
MUCH MALIGNED ARSENICALS ARE A VALUABLE CLASS OF HERBICIDES.
P J Ehman
Agr Chem 19(3):56-58, 132
Mar 1964 381 AG8
Arsenic compounds, Herbicides, Pesticide residues, Poisoning.

4503-68
WEED CONTROL.
F C Elliott
Agr Chem 19(4):78-80
Apr 1964 381 AG8
Aerial spraying, Cotton.

4504-68
TRANSLOCATION AND METABOLISM OF RADIOACTIVE 2,4-D IN JIM-SONWEED, DATURA STRAMONIUM.
R C Fites F W Slife J B Hanson
J Sci Food Agr 16(7):II-14-12
Jul 1965 382 SO12
Herbicides, Trace element nutrition, 2,4-d.

4505-68
INSECT INFESTATION IN RELATION TO SUBSEQUENT WEED INVASION OF IMPROVED PASTURES.
W G Genung J R Orsenigo
Fla Entomol 48(4):221-226, 11 REFS., 1 TAB., 5 FIGS.
Dec 1965 420 F662
Blissus, Schizaphis, Sipha, Stenotaphrum.

4506-68
A PRECISION SPRAYER FOR SMALL EXPERIMENTAL FIELD PLOTS.
R Grover H Clarke
Weed Res 3(3):246-249, 17 REFS., 4 PLS.
Sep 1963 79.8 W412
Spraying equipment.

4507-68
NEW HERBICIDES.
W A Harvey
Agr Chem 15(2):41-43, 106-107
Feb 1960 381 AG8
Amitrole, Atrazine, Dalapon, Fenac, Legumes, 2,4-D.

4508-68
PROBLEM OF SALVINIA AURICULATA AUBL. AND ASSOCIATED AQUATIC WEEDS ON KARIBA LAKE.
E R Hattingh
Weed Res 1(4):303-306, 4 PLS.
Dec 1961 79.8 W412
Aquatic weeds, Kariba lake, Salvinia.

4509-68
SOME ASPECTS OF THE USE OF BARBAN FOR WILD OAT CONTROL IN WINTER WHEAT.
H M Holmes R K Pfeiffer
Weed Res 2(2):110-121, 4 TABS., 2 FIGS
Jun 1962 79.8 W412
Avena fatua, Barban, Chemical control (weeds), Wheat.

4510-68
TRIBAND WEED CONTROL SYSTEM OUTLINED AT COTTON CONFERENCE.
J T Holstun Jr
Agr Chem 19(2):62-64, 113
Feb 1964 381 AG8
Cotton, Weed control.

4511-68
A PROMISING NEW CONCEPT: TRIBAND APPLICATION OF HERBICIDES.
J T Holstun Jr O B Wooten
Agr Chem 19(4):24-25, 123-124
Apr 1964 381 AG8
Herbicides, Pesticide application, Weed control.

4512-68
SELECTIVE CONTROL OF DOWNY BROME AND RATTAIL FESCUE IN IRRIGATED PERENNIAL GRASS SEED FIELDS OF CENTRAL OREGON.
W D Lee
Weeds 13(3):205-208, 7 REFS., 2 TABS.
Jul 1965 79.8 W41
Bis(isopropylamino)-6-methylmercapto-s-triazine, 2,4-, Bromus, Dicamba, Festuca, Oregon, Prometryne.

4513-68
INCORPORATED PREEMERGENCE GRANULAR HERBICIDES ON VEGETABLE CROPS.
J M Lyons F L Whiting
Weeds 13(3):242-245, 7 REFS., 5 TABS.
Jul 1965 79.8 W41
Herbicides, Vegetables.

4514-68
PRELIMINARY STUDIES ON THE TRANSLOCATION OF 14C-LABELLED HERBICIDES IN BRACKEN (PTERIDIUM AQUILINUM).
G I McIntyre
Weed Res 2(1):51-59, 9 PLS.
Mar 1962 79.8 W412
Plant translocation, Pteridium, Radioactive tracers.

4515-68
STUDIES ON THE TRANSLOCATION IN AGROPYRON REPENS OF 14C-LABELLED 2,2-DICHLOROPROPIONIC ACID.
G I McIntyre
Weed Res 2(3):165-175, 8 PLS.
Sep 1962 79.8 W412
Agropyron, Dalapon, Dichloropropionic acid, Plant translocation, Radioactive tracers.

4516-68
TOLERANCE OF CORN LINES TO ATRAZINE IN RELATION TO CONTENT OF BENZOXAZINONE DERIVATIVE, 2-GLUCOSIDE.
R D Palmer C O Grogan
Weeds 13(3):219-222, 7 REFS.
Jul 1965 79.8 W41
Atrazine, Corn, Crop varieties, Dihydroxy-7-methoxy-1,4-benzoxazin-3-one, 2,4-, Glucoside, 2-.

20 4517-68

4517-68
THE EFFECT OF DICHLOBENIL AND DICAMBA ON NODAL TISSUES OF ALLIGATORWEED.
D A Pate H H Funderburk Jr J M Lawrence D E Davis
Weeds 13(3):208-210, 6 REFS., 5 PLS.
Jul 1965 79.8 W41
Dicamba, Dichlobenil, Dichlorobenzonitrile, 2,6-.

4518-68
PHOTOSYNTHESIS IN DODDER.
H E Pattee K R Allred H H Wiebe
Weeds 13(3):193-195, 5 REFS.
Jul 1965 79.8 W41
Cuscuta, Photosynthesis.

4519-68
DORMANCY IN HOMERIA BREYNIANA (L.) LEWIS.
G A Pearce
Weed Res 3(3):215-229, 11 TABS.
Sep 1963 79.8 W412
Homeria, Plant dormancy, Seed germination, Soil structure.

4520-68
REPORT OF THE FIRST CONFERENCE OF THE FRENCH WEED CONTROL COMMITTEE, 14TH-15TH DECEMBER, 1961.
P Poignant
Weed Res 2(3):226-228
Sep 1962 79.8 W412
Symposia, Weed control.

4521-68
CHLOROPHYLL FORMATION IN EUGLENA GRACILIS AS A TEST FOR HERBICIDES.
C A Price M G Estrada
J Sci Food Agr 16(7):II-14-10
Jul 1965 382 SO12
Chlorophylls, Euglena, Herbicides.

4522-68
PRELIMINARY OBSERVATIONS ON THE BREAKDOWN OF 3-AMINO-1,2,4-TRIAZOLE IN SOIL.
P. Riedma
Weed Res 2(1):41-50, 3 TABS., 8 FIGS.
Dec 1962 79.8 W412
Amitrole, Soil microorganisms, Soil series.

4523-68
A COMPARISON OF METHODS OF RECORDING HERBACEOUS WEEDS IN WEED CONTROL EXPERIMENTS.
P Riepma W P Weng
Weed Res 3(1):26-34, 6 TABS.
Mar 1963 79.8 W412
Weeds.

4524-68
NOTE ON THE BIOASSAY ON CHLORPORPHAM IN SOIL.
H A Roberts B J Wilson
Weed Res 2(1):60-65
Mar 1962 79.8 W412
Biological assay, Chlorpropham.

4525-68
STUDIES ON THE BIOTYPES OF CYNODON DACTYLON (L.) PERS. II. GROWTH RESPONSE TO TRICHLOROACETIC AND 2,2-DICHLOROPROPIONIC ACIDS.
E Rochecouste
Weed Res 2(2):136-145, 20 REFS., 4 TABS.
Jun 1962 79.8 W412
Biotypes, Cynodon, Dichlorcpropionic acid, 2,2-, Plant regulators, Trichloroacetic acid.

4526-68
STUDIES ON THE BIOTYPES OF CYNODON DACTYLON (L.) PERS. I. BOTANICAL INVESTIGATIONS.
E Rochecouste
Weed Res 2(1):1-23, 20 REFS. 7 FIGS, 3 TABS, 2 PLS.
Mar 1962 79.8 W412
Biotypes, Cynodon.

4527-68
PROPANIL AND MIXTURES WITH PROPANIL FOR WEED CONTROL IN RICE.
R S Smith Jr
Weeds 13(3):236-238, 11 REFS., 2 TABS.
Jul 1965 79.8 W41
Barnyardgrass, Brachiaria, CIPC , Curly indigo, Dichloropropionanilide, 3 ,4 -, Digitaria, Ducksalad, Ipomoea, Isopropyl N-(3-chlorophenyl) carbamate, Methyl 2,4-dichlorocarbanilate, Propanil, Red rice, Redstem, Rice, Sesbania, Spikerush, Sprangletop, Swep, Umbrellasedge.

4528-68
WITCH WEED: A NEW PARASITIC PLANT IN THE UNITED STATES.
J E Spears
Agr Chem 15(3):42-44, 113-114, 6 FIGS.
Mar 1960 381 AG8
Corn, Sorghum, Striga, Sugarcane.

4529-68
THE CONTROL OF WEEDS IN POTATOES BY PRE-EMERGENCE APPLICATION OF HERBICIDES.
R J Stephens
Weed Res 2(3):185-191, 3 TABS.
Sep 1962 79.8 W412
Dalapon, Dinoseb, DES, 2,4-, Potatoes, Simazine.

4530-68
LABORATORY EVALUATION OF SEVERAL HERBICIDES.
K A Sund N Nomura
Weed Res 3(1):35-43, 3 TABS.
Mar 1963 79.8 W412
Plant growth inhibitors, Seed germination, Seedlings.

4531-68
THE INFLUENCE OF IRRIGATION, FERTILIZING AND MCPA ON THE COMPETITION BETWEEN SPRING CEREALS AND WEEDS.
H Suomela J Paatela
Weed Res 2(2):90-99, 8 TABS.
Jun 1962 79.8 W412
Agricultural competition, Fertilization (plants), Grain, Irrigation, MCPA , Weeds.

4532-68
THE EFFECT OF COMPETITION FROM CEREAL CROPS ON GERMINATION AND GROWTH OF AVENA FATUA L. IN A NATURALLY INFESTED FIELD.
J M Thurston
Weed Res 2(3):192-207, 9 TABS.
Sep 1962 79.8 W412
Avena, Grain, Plant physiology, Seed germination.

4533-68
AN INTERNATIONAL EXPERIMENT ON THE EFFECT OF AGE AND STORAGE CONDITIONS ON VIABILITY AND DORMANCY OF AVENA FATUA SEEDS.
J M Thurston
Weed Res 2(2):122-129, 4 TABS.
Jun 1962 79.8 W412
Avena fatua, Seed viability, Storage injuries.

4534-68
USE OF GRASS-KILLING HERBICIDES IN ESTABLISHING GRASS-LEGUME MIXTURE.
J Vengris
J Sci Food Agr 16(7):II-14-11
Jul 1967 382 SO12
Alfalfa, Dactylis, Grasses, Herbicides, Phleum, Sodium trichloroacetate.

4535-68
CONTROL OF SONCHUS ARVENSIS (L.) WITH CHEMICALS.
T Viome
Weed Res 1(4):275-288, 27 REFS., 8 TABS
Dec 1961 79.8 W412
Amitrole, MCPA , Sonchus, 2,4-d.

4536-68
ORGANIZATION OF TESTING AND APPROVAL OF HERBICIDES IN POLAND.
Weed Res 3(3):250
Sep 1963 79.8 W412
Chemical control (weeds), Herbicides, Poland.

4537-68
TOXIN PRODUCTION DURING DECAY OF AGROPYRON REPENS (COUCH GRASS) AND OTHER SPECIES.
P J Welbank
Weed Res 3(3):205-214, 2 TABS., 2 FIGS.
Sep 1963 79.8 W412
Agropyron, Agrostis, Lolium, Medicago, Toxins.

4538-68
CHEMICAL CONTROL OF DOWNY BROME IN GRASSLANDS OF WESTERN NEBRASKA.
G A Wicks C R Fenster O C Burnside
Weeds 13(3):202-205, 10 REFS., 4 TABS.
Jul 1965 79.8 W41
Amitrole, Atrazine, Bromus, Chloro-4,6-bis(ethylamino)-s-triazine, 2-, Propazin, Simazine.

4539-68
THE EFFECTS OF MALEIC HYDRAZIDE AND 2,4-DICHLOROPHENOXY-ACETIC ACID ON ROADSIDE VEGETATION.
E W Yemm A J Willis
Weed Res 2(1):24-40, 18 REFS., 4 TABS, 6 FIGS, 4 PLS.
Mar 1962 79.8 W412
Maleic hydrazide, Roadside planting, 2,4-D.

Other Pests

4540-68
TEDION USE APPROVED ON ELEVEN DECIDUOUS FRUITS.
Agr Chem 15(5):85
May 1960 381 AG8
Apples, Apricots, Cherries, Crabapples, Grapes, Nectarines, Panonychus, Peaches, Pears, Plums, Prunes, Quinces, Tetradifon, Tetranychidae.

4541-68
SPRAYS FOR CONTROL OF ANGULAR LEAF SPOT OF CUCUMBER IN WISCONSIN.
P Miller
Agr Chem 19(2):82
Feb 1964 381 AG8
Angular leafspot (cucumbers), Copper sulfate, Fungicides, Maneb.

4542-68
LOW VOLUME VERSUS HIGH VOLUME PREPLANT FUNGICIDAL SPRAYS.
P Miller
Agr Chem 19(3):97, 130, 4 REFS.
Mar 1964 381 AG8
Captan, Ceresan, Crown rot (peanuts), Fungicides, Maneb, Pentachloronitrobenzene, Root rot (beans), Thiram.

4543-68
FIELD STUDIES ON THE TOXICITY OF INSECTICIDES TO THE MOSQUITO FISH, GAMBUSIA AFFINIS.
M S Mulla
J Econ Entomol 54(6):1237-1242, 23 REFS.
Dec 1961 421 J822
Bayer 25141, DDT , Fenthion, Gambusia, Malathion, Parathion.

4544-68
CONTROL OF DECAY-CAUSING ORGANISMS.
J A Ogawa J L Sandeno J H Mathre
Agr Chem 19(2):82, 116, 3 REFS.
Feb 1964 381 AG8
Chemical control (plant diseases), Fruit, Fungi, Harvesting.

4545-68
CONTROL OF EUROPEAN BROWN SNAIL IN CITRUS GROVES IN SOUTHERN CALIFORNIA WITH GUTHION AND METALDEHYDE SPRAYS.
J L Pappas G E Carman
J Econ Entomol 54(1):152-156
Feb 1961 421 J822
Azinphosmethyl, California, Citrus, European brown snail, Helix, Metaldehyde.

30 LIVESTOCK PROTECTION

4546-68
THE USE OF THE OESTROSCOPE AND ITS VALUE IN DETECTING OESTRUS IN DAIRY CATTLE.
Can J Comp Med Vet Sci 24(2):41
Feb 1960 41.8 C162
Dairy cattle, Estrus, Oestroscope.

4547-68
ABSTRACTS OF PAPERS FOR PRESENTATION AT THE MEETING OF THE MIDWESTERN SECTION A.S.A.S., NOVEMBER 29 AND 30, 1963, CHICAGO, ILLINOIS.
J Anim Sci 22(4):1109-1141
Nov 1963 49 J82
Abstracts, Animal diseases.

4548-68
A CRITIQUE OF FOOD ADDITIVES.
W M Beeson
Can J Comp Med Vet Sci 24(2):9-13
Feb 1960 41.8 C162
Animal nutrition, Beef cattle, Food additives, Sheep, Swine.

4549-68
A METHOD OF INDUCING SALMONELLA TYPHIMURIUM INFECTION IN CHICKS.
R W Bierer
Amer Vet Med Ass J 139(7):790
01 Oct 1961 41.8 AM3
Chicks, Per os inoculation.

4550-68
SWINE REPOPULATION. IV. INFLUENCE OF MANAGEMENT UPON THE GROWTH OF SPECIFIC PATHOGEN-FREE (SPF) PIGS.
J D Caldwell L J Sumption G A Young
Amer Vet Med Ass J 139(3):342-344, 10 REFS.
01 Aug 1961 41.8 AM3
Baby pigs, Germ-free life.

4551-68
FORMALINIZED ERYTHROCYTES IN THE HAEMAGGLUTINATION TEST FOR TYPING PASTEURELLA MULTOCIDA.
G R Carter D E Rappay
Brit Vet J 118(7):289-292, TABS.
Jul 1962 41.8 V643
Erythrocytes, Formaldehyde, Hemagglutination, Pasteurella.

4552-68
EFFECT OF ANTIBIOTICS ON THE GROWTH RATE AND INTESTINAL FLORA (ESCHERICHIA COLI) OF CALVES.
S J Edwards
J Comp Pathol 72(4):420-432, 21 REFS.
Oct 1962 41.8 J82
Calves, Chlortetracycline, Dysentery, Escherichia, Oxytetracycline, Penicillin, Streptomycin.

4553-68
FURTHER STUDIES ON THE LIMITING AMINO-ACIDS IN DIFFERENTLY PROCESSED GROUNDNUT MEALS.
R Fisher
J Sci Food Agr 16(7):390-393, 11 REFS., 4 TABS.
Jul 1965 382 S012
Chicks, Food processing, Lysine, Methionine, Peanuts, Threonine.

4554-68
ENVIRONMENTAL STUDIES IN PIG-HOUSING. I. AIR VELOCITY.
W A M Gordon
Brit Vet J 118(5):171-205
May 1962 41.8 V643
Air, Housing, Humidity, Swine, Temperature, Velocity.

4555-68
ENVIRONMENTAL STUDIES IN PIG HOUSING. II. VENTILATION AND ITS MEASUREMENT.
W A M Gordon
Brit Vet J 118(6):243-256, BIBL. 256, TABS.
Jun 1962 41.8 V643
Environment, Housing, Humidity, Measurement, Swine, Temperature, Ventilation.

30 4556-68

4556-68
SCME PATHOGENIC AGENTS FOUND IN HIPPOPOTAMUS IN UGANDA.
P D L Guilbride T J Coyle E G McNaulty L Barber G D Lomax
J Comp Pathol 72(2):137-141, 7 REFS.
Apr 1962 41.8 J82
Amblyomma, Brucellosis, Fasciola, Hippopotamus, Ixodides, Limnatis, Paramphistoma, Parasitism, Rhipicephalus, Salmonella, Strongyloides, Trypanosoma, Uganda.

4557-68
INFLUENCE OF CORTISONE ON THE C 4 TITER IN GUINEA PIGS.
R K Guthrie L Renshaw A Y Elliott
Can J Comp Med Vet Sci 24(4):122-124, 13 REFS.
Apr 1960 41.8 C162
Complement, Cortisone, Guinea pigs, Immunity.

4558-68
CHLORDIAZEPOXIDE FOR CALMING ZOO ANIMALS.
W P Heuschele
Amer Vet Med Ass J 139(9):996-998, 8 REFS.
01 Nov 1961 41.8 AM3
Chlordiazepoxide, Tranquilizers, Zoo animals.

4559-68
EFFECT OF FEEDING CROTALARIA SEED TO YOUNG CHICKENS.
J W Kelly C W Barber D D Pate C H Hill
Amer Vet Med Ass J 139(11):1215-1217, 11 REFS., 3 TABS.
01 Dec 1961 41.8 AM3
Chicks, Crotalaria, Toxicosis.

4560-68
EXPERIMENTAL STATISTICS AND ANIMAL DISEASE RESEARCH.
E L LeClerg
Amer Vet Med Ass J 139(5):567-573
01 Sep 1961 41.8 AM3
Animal disease research, Experimental statistics, Statistical analysis.

4561-68
CHANGES IN SERUM PROTEINS AND OTHER BLOOD VALUES ASSOCIATED WITH EXPERIMENTAL OSTERTAGIA OSTERTAGI INFECTIONS IN CALVES.
J L Mahrt D M Hammond M L Miner
Cornell Vet 54:453-474, 20 REFS., 1 TAB., 8 FIGS.
1964 41.8 C81
Cattle, Gastritis, Nematodes, Ostertagia, Serodiagnosis.

4562-68
NORTH AMERICAN BLASTOMYCOSIS IN A DOG.
T A Rude Jr R VanProoien
Amer Vet Med Ass J 139(11):1199, 4 REFS.
01 Dec 1961 41.8 AM3
Blastomycosis, North american blastomycosis.

4563-68
NEW CHEMOTHERAPEUTIC AGENTS.
S F Scheidy
Cornell Vet 54:18-26, 6 REFS.
1964 41.8 C81
Acetazolamide, Chlorothiazide, Drug therapy, Griseofulvin, Hydro-Diuril, Hydrochlorothiazide, Hypoderma, Kanamycin, Lactobacillus, Phenylbutazone, Toxicology, Vetidrex.

4564-68
CHARACTERISTICS OF STAPHYLCCCCCI FROM THE NOSE OF HEALTHY DOGS.
J E Smith
J Comp Pathol 72(2):131-136, 10 REFS.
Apr 1962 41.8 J82
Dogs, Nose, Penicillin, Staphylococcus.

4565-68
HANDLING AND TREATMENT OF COMMON EXOTIC MAMMAL PETS.
W P Heuschete C P Gandal
Amer Vet Med Ass J 138(11):608-612, 19 REFS., 6 FIGS.
01 Jun 1961 41.8 AM3
Mammals, Pets, Wildlife.

Diseases

4566-68
DEMONSTRABLE ANTIGENS AND A TOXIC FACTOR IN OEDEMA DISEASE OF SWINE.
Can J Comp Med Vet Sci 24(11):325
Nov 1960 41.8 C162
Antigens, Edema, Escherichia coli, Swine.

4567-68
MANY STRAINS OF LISTERIA FOUND IN CATTLE AND MAN.
Amer Vet Med Ass J 140(5):470
01 Mar 1962 41.8 AM3
Cattle, Human diseases, Listeriosis.
Wien. tierarztl. monatschr., 48,(1961):447.

4568-68
Q FEVER AND LEPTOSPIROSIS.
Amer Vet Med Ass J 138(2):64-68, 42 REFS.
15 Jan 1961 41.8 AM3
Cattle, Chloramphenicol, Coxiella, Goats, Human diseases, Immunization, Leptospirosis, Livestock, Pasteurization, Q fever, Rickettsial diseases, Sheep, Streptomycin, Tetracycline.

4569-68
DISEASES OF MINK.
Can J Comp Med Vet Sci 24(7):203
Jul 1960 41.8 C162
Animal diseases, Minks.

4570-68
TREATMENT OF ORGANIC PHOSPHATE POISONING.
Amer J Vet Res 25(2):54
Feb 1961 41.8 AM3A
Atropine, Cattle, Grubs, Parathion, Poisoning.

4571-68
ANTIBODY TRANSFER IN NEWBORN KITTENS.
Amer Vet Med Ass J 140(3):258
01 Feb 1962 41.8 AM3
Antibodies, Cats, Salmonellosis.
Cornell Vet., 51,(Oct., 1961):535.

4572-68
ABSTRACTS OF PAPERS PRESENTED AT THE MEETING OF THE SOUTHERN SECTION, A.S.A.S., FEBRUARY 4, 5 AND 6, 1963 MEMPHIS, TENNESSEE.
J Anim Sci 22(1):236-250
Feb 1963 49 J82
Abstracts, Animal diseases.

4573-68
ISOLATION OF A VIRAL AGENT FROM WINTER DYSENTERY OF CATTLE.
Can J Comp Med Vet Sci 24(4):125
Apr 1960 41.8 C162
Cattle, Winter dysentery.

4574-68
SOME EPIDEMIOLOGICAL PATTERNS IN BOVINE MASTITIS.
Can J Comp Med Vet Sci 24(9):283
Sep 1960 41.8 C162
Bovine mastitis, Cattle, Epidemiology.

4575-68
RUPTURE OF HEPATIC ABSCESSES CAUSES SUDDEN DEATH IN CATTLE.
Amer Vet Med Ass J 140(8):810
15 Apr 1962 41.8 AM3
Abscesses, Cattle, Hernia, Liver.
Iowa State College Vet., 29,(1961-1962):13-15.

4576-68
TREATMENT OF CONJUNCTIVC-KERATITIS OF CATTLE AND SHEEP WITH ETHIDIUM BROMIDE.
Can J Comp Med Vet Sci 24(10):312
Oct 1960 41.8 C162
Cattle, Ethidium bromide, Infectious keratitis, Sheep.

4577-68
RESERPINE IN AORTIC RUPTURE IN TURKEYS AND HEAT STRESS IN LAYING HENS.
Can J Comp Med Vet Sci 24(7):223
Jul 1960 41.8 C162
Aortic rupture, Chickens, Reserpine, Turkeys.

4578-68
KYASANUR FOREST DISEASE.
Can J Comp Med Vet Sci 24(10):300
Oct 1960 41.8 C162
Arboviruses, Kyasanur forest disease.

4579-68
ENTERIC INFECTIONS IN WEANED PIGS.
Can J Comp Med Vet Sci 24(4):41
Feb 1960 41.8 C162
Baby pigs, Escherichia coli bacterin, Porcine enteroviruses, Salmonella bacterins, Vibrio coli.

4580-68
ECOLOGY AND EPIZOOTIOLOGY OF COCCIDIOIDOMYCOSIS.
Can J Comp Med Vet Sci 24(9):275
Sep 1960 41.8 C162
Coccidioidomycosis, Ecology, Epizootic diseases.

4581-68
PRELIMINARY INVESTIGATIONS ON SHIPPING FEVER UNDER FIELD CONDITIONS.
Can J Comp Med Vet Sci 24(5):161
May 1960 41.8 C162
Calves, Penicillin, Shipping fever.

4582-68
SALMONELLA ORGANISMS IN MATURE HEALTHY DOGS.
Can J Comp Med Vet Sci 24(9):272
Sep 1960 41.8 C162
Dogs, Salmonella bacterins.

4583-68
MONILIASIS IN ARTIFICIALLY REARED PIGS AND ITS TREATMENT WITH NYSTATIN.
Can J Comp Med Vet Sci 24(8):234
Aug 1960 41.8 C162
Baby pigs, Moniliasis, Nystatin.

4584-68
THE EFFECT OF CHEMOTHERAPY ON THE NUMBERS OF BACTERIUM COLI IN THE FAECES OF CALVES.
Can J Comp Med Vet Sci 24(8):237
Aug 1960 41.8 C162
Calves, Drug therapy, Scours.

4585-68
STUDIES ON STRAINS OF HAEMOLYTIC ESCHERICHIA COLI ISOLATED FROM NORMAL SWINE AFTER WEANING.
Can J Comp Med Vet Sci 24(6):180
Jun 1960 41.8 C162
Edema disease, Escherichia coli bacterin, Swine.

4586-68
INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS DIAGNOSED BY LESIONS IN A CALF.
H J van Kruiningen R C Bartholomew
Amer Vet Med Ass J 144(9):1008-1012, 11 REFS.
01 May 1964 41.8 AM3
Dairy cattle, Necrosis.

4587-68
SUCCESSFUL TREATMENT OF A HERD OUTBREAK OF PSEUDOMONAS MASTITIS.
H J van Kruiningen
Cornell Vet 53:240-248, 2 REFS.
1963 41.8 C81
Cattle, Hiamine, Mastitis, Pseudomonas.

4588-68
CLINICAL MANIFESTATIONS OF IBR IN NEW YORK STATE. A CASE REPORT.
H J van Kruiningen R J Wolke
Cornell Vet 53:388-391, 1 REF.
1963 41.8 C81
Cattle, Clinical symptomology, Purulent conjunctivitis, Respiratory distress..

4589-68
A REVIEW OF VITAMIN A NUTRITION OF RUMINANTS.
C R Adams J C Bavernfeind
J Anim Sci 22(3):830
Aug 1963 49 J82
Nutrition, Ruminants, Vitamin a.

4590-68
THE ANTISTREPTOCOCCIC ACTIVITY OF BOVINE TEAT CANAL KERATIN.
E W Adams C G Rickard
Amer J Vet Res 24(98):122-135, 43 REFS., 6 TABS.
Jan 1963 41.8 AM3A
Cattle, Keratins, Mastitis, Teats.

4591-68
FIBROTIC MYOPATHY AND OSSIFYING MYOPATHY IN THE HINDLEGS OF HORSES.
O R Adams
Amer Vet Med Ass J 139(10):1089-1092, 2 REFS., 3 FIGS.
15 Nov 1961 41.8 AM3
American quarter horses, Fibrotic myopathy, Injuries, Ossieying myopathy.

4592-68
HEPATIC CHANGES RESULTING FROM PARTIAL LITIGATION OF THE POSTERIOR VENA CAVA IN CATTLE.
O R Adams
Amer J Vet Res 24(100):557-564, 19 REFS., 3 TABS.
May 1963 41.8 AM3A
Cattle, Liver, Veins.

4593-68
A NOTE ON BOVINE INDIGESTION AND ANTIBIOTIC PRODUCING MICROORGANISMS IN SPOILT HAY.
J H Adler N Cohen
Can J Comp Med Vet Sci 25(12):318
Dec 1961 41.8 C162
Antibiotics, Bacteria, Cattle, Feeding, Hay, Indigestion.
Refuah Vet. 18:41, 1961.

4594-68
RAPID DIAGNOSIS OF HOG CHOLERA: A TISSUE-IMPRESSION FLUORESCENT-ANTIBODY TECHNIQUE.
J M Aiken K H Hoopes E L Stair M H Rhodes
Amer Vet Med Ass J 144(12):1395-1397, 4 REFS.
15 Jun 1964 41.8 AM3
Diagnosis, Fluorescent antibody technic, Hog cholera.

4595-68
ISOLATION OF NOCARDIA BRASILIENSIS FROM A CAT WITH A REVIEW OF ITS PREVALENCE AND GEOGRAPHIC DISTRIBUTION.
L Ajello W W Walker D L Dungworth G L Brumfield
Amer Vet Med Ass J 138(7):370-376, 43 REFS., 1 TAB., 6 FIGS.
01 Apr 1961 41.8 AM3
Actinomycetes, Cats, Norcadia.

4596-68
MOLDY CORN TOXICOSIS IN CATTLE.
J L Albright S D Aust J H Byers T E Fritz B O Brodie R E Olsen R P Link J Simon H E Rhoades R L Brewer
Amer Vet Med Ass J 144(9):1013-1019, 16 REFS.
01 May 1964 41.8 AM3
Cattle, Corn, Molds, Poisoning.

4597-68
PULMONARY VASCULAR PATHOLOGY OF BOVINE HIGH MOUNTAIN DISEASE.
A F Alexander R Jensen
Amer J Vet Res 24(103):1098-1111, 63 REFS., 4 TABS.
Nov 1963 41.8 AM3A
Arteries, Brisket disease, Cattle, Lungs.

4598-68
THE EFFECTS OF INCORPORATING SULPHADIMIDINE-PTERIDINE MIXTURES IN THE DIET OF YOUNG CHICKS.
E Allan A E Street
Brit Vet J 118(1):19-23, TABS.
Jan 1962 41.8 V643
Chicks, Coccidiosis, Di-isopropylpteridine, Para-aminobenzoic acid, Pteridine, Sulphadimidine.

4599-68
SYSTEMIC INSECTICIDES FOR CONTROL OF TROPICAL WARBLE FLY (DERMATOBIA HOMINIS) IN CATTLE.
E H Anderson
Amer Vet Med Ass J 139(1):104-107, 6 REFS.
01 Jul 1961 41.8 AM3
Cattle, Dermatobia hominis, Oestridae, Systemic insecticides.

4600-68
HEMOLYTIC DISEASE IN PIGS CAUSED BY ANTI-HA1 .
E Andresen L N Baker
J Anim Sci 22(3):720-725, 20 REFS., 1 TAB.
Aug 1963 49 J82

30 4601-68

Baby pigs, Blood groups, Hemolytic anemia.

4601-68
A COMPARISON OF THE IMMUNE RESPONSE OF CHICKENS VACCINATED WITH FORMALIN- AND BETA-PROPIOLACTONE-INACTIVATED NEWCASTLE DISEASE VACCINES.
G S Appleton S B Hitchner R W Winterfield
Amer J Vet Res 24(101):827-831, 13 REFS., 4 TABS.
Jul 1963 41.8 AM3A
Chickens, Hemagglutination-inhibition test, Immunity, Newcastle disease vaccines.

4602-68
ACTINOBACILLOSIS IN JOINTS OF RABBITS.
S.n Arseculeratne
J Comp Pathol 72(1):33-39, 6 REFS.
Jan 1962 41.8 J82
Actinobacillosis, Actinobacillus, Joints, Rabbits.

4603-68
OBSERVATIONS ON MOLDY CORN TCXICOSIS.
S D Aust J L Albright R E Olsen J H Byers H P Broquist
J Anim Sci 22(3):831-832
Aug 1963 49 J82
Aspergillosis, Cattle, Corn, Poisoning.

4604-68
A NCTE ON SERUM PROTEINS IN NORMAL AND SCRAPIE INFECTED SHEEP.
R J Avery J A Mills C le Q Darcel
Can J Comp Med Vet Sci 24(8):241-242, 8 REFS.
Aug 1960 41.8 C162
Blood proteins, Scrapie, Sheep.

4605-68
A SURVEY OF DISTEMPER IMMUNIZATION METHODS EMPLOYED IN CANADA.
J M Baker C I Chappel D G Dale
Can J Comp Med Vet Sci 24(12):359-363, 3 TABS.
Dec 1960 41.8 C162
Canada, Canine distemper, Immunization.

4606-68
FELINE HAEMOBARTONELLOSIS- A CASE REPORT.
T Balazs J Robinson D Grey H C Grice
Can J Comp Med Vet Sci 25(9):220-222, 7 REFS.
Sep 1961 41.8 C162
Anemia, Bartonellosis, Cats.

4607-68
A NOTE ON A NEW DILUENT FOR ELECTRONIC COUNTING OF RAT LEUKOCYTES.
T Balazs A M Hatch
Can J Comp Med Vet Sci 25(8):198-199, 3 REFS.
Aug 1961 41.8 C162
Leukocytes, Rats, Solvents.

4608-68
PERMANENT RUMEN FISTULAE IN CATTLE.
C C Balch A T Cowie
Cornell Vet 52(2):206-214, 4 REFS.
Apr 1962 41.8 C81
Cattle, Nutrition, Rumen fistula.

4609-68
THE PRESENCE AND PROPERTIES OF NEWCASTLE DISEASE VIRUS IN THE AQUEOUS HUMOR OF CHICKENS.
E A Baldwin
J Comp Pathol 72(2):190-197, 11 REFS.
Apr 1962 41.8 J82
Aqueous humor, Chickens, Newcastle disease virus.

4610-68
ISOLATION OF AN UNIDENTIFIED AGENT FROM THE RESPIRATORY TRACT OF CHICKENS.
R A Bankowski
Can J Comp Med Vet Sci 25(7):169
Jul 1961 41.8 C162
Chickens, Hemagglutination, Infectious laryngotracheitis.
R.E. corstvet. Science 132:292, 1960

4611-68
OSTEOMALACIA IN HORSES. II. NUTRITION AS AN ETIOLOGIC FACTOR.
R E Bardwell
Amer Vet Med Ass J 138(3):158-162, 21 REFS., 2 FIGS.
01 Feb 1961 41.8 AM3
Arthritis, Copper, Horses, Nutrition, Phosphorus, Vitamin A.

4612-68
ENTEROTOXEMIA IN PIGS DUE TO CLOSTRIDIUM PERFRINGENS TYPE C.
D M Barnes H W Moon
Amer Vet Med Ass J 144(12):1391-1394, 4 REFS., 1 TAB.
15 Jun 1964 41.8 AM3
Enterotoxemia, Swine.

4613-68
TYLOSIN TREATMENT OF INFECTIOUS BOVINE MASTITIS.
L E Barnes J A Hennessy
Amer Vet Med Ass J 139(5):548-551, 5 TABS.
01 Sep 1961 41.8 AM3
Bovine mastitis, Dairy cattle, Staphylococcus, Streptococcus, Tylosin.

4614-68
INTRAOCULAR TUMORS IN ANIMALS. III. SECONDARY INTRAOCULAR TUMORS.
C N Barron L Z Saunders K V Jubb
Amer J Vet Res 24(101):835-853, 36 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Cattle, Chamois colored goats, Dogs, Eyes, Neoplasms, Sheep.

4615-68
RESISTANCE AND SUSCEPTIBILITY TO AVIAN LEUKOSIS COMPLEX IN CHICKENS.
G E Bearse W A Becker C M Hamilton
Poultry Sci 42(1):110-121, 16 REFS.
Jan 1963 47.8 AM33P
Avian leukosis complex, Chickens.

4616-68
BIOLOGIC PROPERTIES AND CHARACTERISTICS OF ANAPLASMA MARGINALE. II. THE EFFECTS OF SONIC ENERGY ON THE INEFFECTIVITY OF WHOLE BLOOD PREPARATIONS.
D M Bedell G T Dimopoullos
Amer J Vet Res 24(99):278-282, 15 REFS.
Mar 1963 41.8 AM3A
Anaplasmosis, Blood, Calves, Sound waves.

4617-68
EFFECT OF NEOMYCIN ON EXPERIMENTALLY INDUCED ANAPLASMOSIS IN SPLENECTOMIZED CALVES.
D M Bedell W T Oglesby
Amer Vet Med Ass J 139(3):349-351, 4 REFS., 3 TABS.
01 Aug 1961 41.8 AM3
Anaplasmosis, Calves, Neomycin, Splenectomy.

4618-68
IMMUNOGENIC STUDIES IN DUTCH CATTLE VACCINATED WITH FOOT-AND-MOUTH DISEASE VACCINES UNDER FIELD CONDITIONS.
I. FOOT-AND-MOUTH DISEASE VACCINES UNDER FIELD CONDITIONS.
J G Van Bekkum R C Fish C N Dale
Amer J Vet Res 24(98):77-82, 4 REFS.
Jan 1963 41.8 AM3A
Holstein-friesian cattle, Viral vaccines.

4619-68
VENTRICULAR SEPTAL DEFECT IN THE BOVINE HEART-REPORT OF 3 CASES.
T H Belling
Amer Vet Med Ass J 138(11):595-598, 43 REFS., 3 FIGS.
01 Jun 1961 41.8 AM3
Cattle, Heart, Heredity, Ventricular septum defects.

4620-68
BOVINE CYSTIC HEMATURIA IN THE PHILIPPINES: A REPORT ON AN ENZOOTIC AREA.
G W Beran
Amer Vet Med Ass J 149(12):1686-1690, 29 REFS., 1 TAB.
Dec 1966 41.8 AM3
Cattle, Hematuria.

4621-68
TRANSMISSION OF MILK PROTEIN HYPERSENSITIVITY FROM MOTHER TO OFFSPRING.
E I Bertok B E Baker
Can J Comp Med Vet Sci 25(4):98-102, 10 REFS., 2 TABS.
Apr 1961 41.8 C162
Guinea pigs, Hypersensitivity, Skim milk.

4622-68
EPIDIDYMITIS IN RAMS - STUDIES ON PATHOGENESIS.
E L Biberstein B McGowan H Olander P C Kennedy
Cornell Vet 54:27-41, 10 REFS., 8 FIGS.
1964 41.8 C81
Brucella, Epididymis, Parthenogenesis, Rams.

4623-68
BRUCELLA WHEY REACTICNS IN PRCBLEM HERDS.
E L Biberstein H S Cameron M E Meyer
Amer Vet Med Ass J 138(5):244-247, 1 TAB., 1 FIG.
01 Mar 1961 41.8 AM3
Brucellosis, Cattle.

4624-68
KILLING SALMONELLA ON EGGSHELLS WITH DISINFECTANTS.
E W Bierer B D Barnett
Amer Vet Med Ass J 140(2):159-161, 7 REFS., 2 TABS.
15 Jan 1962 41.8 AM3
Eggs, Formaldehyde, Salmonellosis, Sodium hypochlorite,
Zinc sulfate.

4625-68
PREPARATION AND USE OF AN AUTOGENOUS FOWL CHCLERA BACTERIN
FCR TURKEYS.
B W Bierer C L Vickers H D Valentine
Amer Vet Med Ass J 138(2):85-86, 2 TABS.
15 Jan 1961 41.8 AM3
Fowl cholera, Immunization, Pasteurella bacterins, Turkeys.

4626-68
A NITROFURAN COCCIDIOSTAT AIDS IN CCNTROL OF PULLCRUM
DISEASE UNDER STRESS CONDITICNS.
B W Bierer
Amer Vet Med Ass J 139(2):238-239, 4 REFS.
15 Jul 1961 41.8 AM3
Bifuran, Coccidiosis, Furazolidone, Nitrofurazone,
Pullorum disease.

4627-68
INDUCED ESCHERICHIA COLI INFECTION IN BABY CHICKS.
E W Bierer
Amer Vet Med Ass J 140(11):1191
01 Jun 1962 41.8 AM3
Chicks, Escherichia infection.

4628-68
SALMONELLOSIS CF ANIMALS IN ALBERTA, 1949 TO 1960.
C H Bigland G S Wilton H N Vance H C Carlson
Amer Vet Med Ass J UJ/(3):251-253, 6 REFS., 4 TABS.
01 Feb 1962 41.8 AM3
Birds, Chickens, Salmonellosis.

4629-68
ERADICATION OF BOVINE BRUCELLOSIS IN SWEDEN.
G Bjorkman H Bengtson
Amer Vet Med Ass J 140(11):1192-1195, 1 TAB.
01 Jun 1962 41.8 AM3
Agglutination test, Brucellosis, Cattle,
Complement fixation, Ring test, Serodiagnosis.

4630-68
USE OF SLIDE-LATEX TEST FOR DETECTING TRICHINOSIS IN HOGS.
N Bloomfield G W Snook
Cornell Vet 52(4):569-581, 19 REFS., 1 TAB.
Oct 1962 41.8 C81
Agglutination test, Complement fixation, Serodiagnosis,
Swine, Trichinosis.

4631-68
MUSCULAR DYSTROPHY IN EARLY WEANED LAMBS.
R F Borgman R L Edwards W C Godley S L Moore
J Anim Sci 22(4):1046-1050, 21 REFS., 2 TABS.
Nov 1964 49 J82
Lambs, Muscular dystrophy, Selenium, Vitamin E, Weaning.

4632-68
CCMPARISON OF THE INDIRECT AND IMPLEMENTED DIRECT
CCMPLEMENT-FIXATION TEST IN THE DIAGNOSIS OF TURKEY
ORNITHOSIS.
P Boulanger G L Bannister
Can J Comp Med Vet Sci 25(8):8-12, 7 REFS., 3 TABS.
Jan 1961 41.8 C162
Complement fixation, Ornithosis, Poults, Serum.

4633-68
THE STUDY OF SOME VIRAL INFECTIONS OF SWINE BY MEANS OF THE
AGAR DOUBLE-DIFFUSION PRECIPITATION REACTION.
P Boulanger G L Bannister A S Greig
Can J Comp Med Vet Sci 25(5):113-120, 16 REFS., 1 TAB.
May 1961 41.8 C162
Agar, Porcine enteroviruses, Swine, Teschen disease.

4634-68
THE EFFECT OF INSULIN HYPOGLYCEMIA ON RUMINATION IN SHEEP.
J M Bowen
Amer J Vet Res 24(98):73-76, 14 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Digestion, Insulin, Sheep.

4635-68
INVESTIGATION INTO THE INCIDENCE AND CAUSES OF INFERTILITY
IN DAIRY CATTLE: BRUCELLA ABORTUS AND VIBRIO FETUS
INFECTIONS.
H Boyd H C B Reed
Can J Comp Med Vet Sci 25(5):128
May 1961 41.8 C162
Brucellosis, Dairy cattle, Sterility, Vibriosis.
The Veterinary Record 72:836, 1960

4636-68
EPIDEMIOLOGY OF LEPTOSPIROSIS IN IOWA- A STUDY OF SPORADIC
AND EPIDEMIC CASES.
J L Braun
Amer Vet Med Ass J
138(10):532-536, 14 REFS., 4 TABS., 2 FIGS.
15 May 1961 41.8 AM3
Cattle, Epidemiology, Human diseases, Leptospira,
Leptospirosis, Swine.

4637-68
SURVEY EVIDENCE OF LEPTCSPIRA INFECTION IN IOWA DOGS.
J L Braun
Amer Vet Med Ass J 138(2):90-93, 19 REFS., 3 TABS.
15 Jan 1961 41.8 AM3
Cattle, Dogs, Leptospira, Leptospirosis, Swine.

4638-68
SULFABROMOMETHAZINE AS A HERD TREATMENT FCR BOVINE FOOT ROT.
H Breen J F Ryff
Amer Vet Med Ass J 138(10):548-550, 1 TAB.
15 May 1961 41.8 AM3
Cattle, Feed additives, Sulfabromomethazine.

4639-68
PHYCOMYCOSIS OF HORSES CAUSED BYENTOMOPHTHORA CORONATA.
C H Bridges W M Romane C W Emmons
Amer Vet Med Ass J /40(7):673-677, 4 REFS.
01 Apr 1962 41.8 AM3
Horses, Phycomycosis, Surgery.

4640-68
A PHYCOMYCOSIS OF HORSES CAUSED BY HYPHOMYCES DESTRUENS.
C H Bridges C W Emmons
Amer Vet Med Ass J 138(11):579-589, 11 FIGS.
01 Jun 1961 41.8 AM3
Fungi, Horses, Hyphomyces, Phycomycosis.

4641-68
CUTANEOUS STREPTOTHRICOSIS IN CATTLE.
C H Bridges W M Romane
Amer Vet Med Ass J 138(3):153-157, 16 REFS., 6 FIGS.
01 Feb 1961 41.8 AM3
Cattle, Dermatophilus, Mercury chloride, Ointments,
Salicylic acid, Skin, Streptotrichosis.

4642-68
RESTRAINT AND TREATMENT CF YOUNG CHIMPANZEES.
W E Britz J Fineg J E Cook E D Miksh
Amer Vet Med Ass J 138(12):653-658, 5 FIGS.
15 Jun 1961 41.8 AM3
Chimpanzees.

4643-68
NEOPLASTIC AND PROLIFERATIVE LESIONS OF THE BOVINE URINARY
BLADDER.
D F Brobst C Olson
Amer J Vet Res 24(98):105-110, 14 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Adenoma, Bladder, Cattle, Cystitis, Lymphoma.

4644-68
OXYTETRACYCLINE HYDROCHLORIDINE IN EAST COAST FEVER
(THEILERIA PARVA INFECTION).
D W Brocklesby K P Bailey
Brit Vet J 118(3):81-85
Mar 1962 41.8 V643
Cattle, East coast fever, Oxytetracycline, Theileriasis.

4645-68
RENAL OSTEODYSTROPHY IN THE DOG.
R S Brodey W Medway R E Marshak
Amer Vet Med Ass J
139(3):329-341, 20 REFS., 18 FIGS., 2 TABS.
01 Aug 1961 41.8 AM3
Dogs, Hyperparathyroidism, Renal osteodystrophy.

4646-68
THE ETIOLOGY OF STRANGLES.
J T Bryans E R Coll B P Shephard
Cornell Vet 54:198-205, 17 REFS., 1 TAB.
1964 41.8 C81
Etiology, Strangles (horses), Streptococcus.

4647-68
RESULTS OF FEEDING OF HERBICIDE-TREATED PLANTS TO CALVES AND SHEEP.
W B Buck W Binns L James M C Williams
Amer Vet Med Ass J 138(6):320-323, 13 REFS.
15 Mar 1961 41.8 AM3
Cirsium, Delphinium, Helenium, Herbicides, Propionic acid, 2-(2,4,5-trichlorophenoxy), Sheep, Toxicity, 2,4-D.

4648-68
EFFECTS OF HIGH LEVELS OF COPPER AND CHLORTETRACYCLINE ON PERFORMANCE OF PIGS.
R J Bunch V C Speer V W Hays J T McCall
J Anim Sci 22(1):56-60, 17 REFS., 4 TABS.
Feb 1963 49 J82
Chlortetracycline, Copper, Diet, Feed, Swine.

4649-68
CELL CULTURES FROM STORED CALF KIDNEYS.
C N Burke R E Luginbuhl
Cornell Vet 53:463-468, 3 REFS., 2 TABS.
1963 41.8 C81
Cattle, Stored tissue cell viability, Tissue culture.

4650-68
EPIZOOTIC BAT RABIES IN SURINAM.
D L Bush
Amer Vet Med Ass J 138(7):363-365, 1 TAB.
01 Apr 1961 41.8 AM3
Asses, Bats, Cattle, Diaemus, Diaphylla, Epizootic diseases, Horses, Immunization, Phyllostomus, Rabies, Vampyrus.

4651-68
STUDIES ON HERPESVIRUS SIMIAE (B-VIRUS). INTRACELLULAR DEVELOPMENT.
D A Buthala J Mathews
Cornell Vet 53:494-505, 17 REFS., 12 FIGS.
1963 41.8 C81
Herpesvirus simiae, Herpesviruses, Intracellular viral development.

4652-68
INTRAVENOUS ADMINISTRATION OF AMPHOTERICIN B IN THE DOG.
W T Butler G J Hill
Amer Vet Med Ass J 144(4):399-402, 21 REFS. 1 TABS.
15 Feb 1964 41.8 AM3
Amphotericin B, Blastomycosis, Dogs, Fungicides, Histoplasmosis, Injections.

4653-68
OBSERVATIONS ON EASTERN EQUINE ENCEPHALITIS IN MARYLAND IN 1959.
R J Byrne F M Retrick J E Scanlon J W Hastings L N Locke
Amer Vet Med Ass J 139(6):661-664, 8 REFS.
15 Sep 1961 41.8 AM3
Equine encephalomyelitis, Horses, Maryland.

4654-68
USE OF TRIMEPRAZINE IN DOGS AND CATS.
F T Candlin
Amer Vet Med Ass J 139(1):120-121, 7 REFS.
01 Jul 1961 41.8 AM3
Cats, Dogs, Phenothiazine, Temaril, Trimeprazine.

4655-68
TRANSMISSION OF HOG CHOLERA BY PREGNANT SOWS.
E A Carbrey W C Stewart S H Young G C Richardson
Amer Vet Med Ass J 149(1):23-30, 6 REFS.
Jul 1966 41.8 AM3
Baby pigs, Hog cholera virus, Swine.

4656-68
THE CHANGING PICTURE OF HOG CHOLERA: CASE STUDIES.
E A Carbrey W C Stewart S H Young
Amer Vet Med Ass J 149(12):1720-1724, 2 TABS.
Dec 1966 41.8 AM3
Hog cholera vaccines, Hog cholera virus, Swine.

4657-68
CARBON MONOXIDE POISONING IN CHICKS.
H C Carlson D R Clandinun
Poultry Sci 42(1):206-214, 13 REFS.
Jan 1963 47.8 AM33P
Carbon monoxide, Chicks.

4658-68
EFFECTS OF INTRAMUSCULAR INJECTIONS OF IRON-DEXTRAN IN NEWBORN LAMBS AND CALVES.
R H Carlson M J Swenson G M Ward N H Booth
Amer Vet Med Ass J 139(4):457-461, 30 REFS.
15 Aug 1961 41.8 AM3
Anemia, Calves, Intramuscular injections, Iron-dextran, Lambs.

4659-68
ELBOW DYSPLASIA IN THE DOG.
W D Carlson G A Severin
Amer Vet Med Ass J 138(6):295-297, 1 TAB, 2 FIGS.
15 Mar 1961 41.8 AM3
Elbow dysplasia, German shepherd dogs, Heredity.

4660-68
SEROLOGICAL ACTIVITIES OF ANTIGENIC COMPONENTS OF INFECTIOUS CANINE HEPATITIS VIRUS.
L E Carmichael R C T Lee F D Barnes
Cornell Vet 52(1):122-132, 18 REFS., 3 TABS.
Jan 1962 41.8 C81
Antigens, Complement fixation, Infectious canine hepatitis virus, Serological tests, Tissue culture.

4661-68
CONDITIONS INFLUENCING VIRUS-NEUTRALIZATION TESTS FOR INFECTIOUS CANINE HEPATITIS ANTIBODY.
L E Carmichael G F Atkinson F D Barnes
Cornell Vet 53:369-387, 20 REFS., 2 TABS., 7 FIGS.
1963 41.8 C81
Infectious canine hepatitis, Test standardization, Virus-neutralization tests.

4662-68
EGG TRANSMISSION OF INFECTIOUS SYNOVITIS.
R B A Carnaghan
Can J Comp Med Vet Sci 25(12):313
Dec 1961 41.8 C162
Chickens, Eggs, Infectious synovitis.
J. Comp. Path. and Thrap. 71:279, 1961.

4663-68
IMMUNITY IN INFECTIOUS SYNOVITIS OF CHICKENS.
R B A Carnaghan
J Comp Pathol 72(4):433-438, 5 REFS.
Oct 1962 41.8 J82
Chickens, Immunity, Infectious synovitis.

4664-68
TOXICOLOGIC PROBLEMS IN LARGE ANIMALS.
A A Case
Amer Vet Med Ass J 149(1):1714-1719, 9 REFS.
Dec 1966 41.8 AM3
Cattle, Cicuta, Delphinium, Festuca.

4665-68
MALIGNANT MELANOMA IN A PIG.
M T Case
Amer Vet Med Ass J 144(3):254-256, 8 REFS.
01 Feb 1964 41.8 AM3
Malignant melanoma, Swine.

4666-68
ANEMIA PREVENTION IN BABY PIGS VIA SOW LACTATION RATION.
D V Catron L F Nelson F Diaz F A Lux
J Anim Sci 22(3):833
Aug 1963 49 J82
Anemia, Baby pigs, Lactation.

4667-68
ALUMINIUM-GEL-ADSORBED SHEEP POX VIRUS VACCINE.
A Celiker F Arik
Brit Vet J 118(4):159-161
Apr 1962 41.8 V643
Aluminum, Gels, Sheeppox virus.

4668-68
OCULAR CHANGES IN MALIGNANT LYMPHOMA IN DOGS.
R M Cello B Hutcherson
Cornell Vet 52(4):492-523, 20 REFS., 2 TABS.
Oct 1962 41.8 C81
Dogs, Lymphoma.

4669-68
INFECTION OF LABORATORY ANIMALS WITH MYCOBACTERIUM JOHNEI. V. FURTHER STUDIES ON THE COMPARATIVE SUSCEPTIBILITY OF C57 BLACK MICE.
R L Chandler
J Comp Pathol 72(2):198-213, 5 REFS.
Apr 1962 41.8 J82
Aging, Immunity, Immunization, Inheritance, Mice, Mycobacterium, Pregnancy, Sex.

4670-68
EFFECT OF IRON SUPPLEMENTATION OF SOW RATIONS ON THE PREVENTION OF BABY PIG ANEMIA.
C B Chaney C E Barnhart
J Anim Sci 22(3):833-834
Aug 1963 49 J82
Anemia, Baby pigs, Iron, Milk.

4671-68
EFFECTS OF DITHIAZININE IODIDE ON DIROFILARIA IMMITIS IN DOGS.
N F Chapman A W Smith
Amer Vet Med Ass J 138(11):605-607, 2 TABS.
01 Jun 1961 41.8 AM3
Arsenic compounds, Blood tests, Dirofilaria, Dogs, Insecticides.

4672-68
ELECTRICAL ANAESTHESIA FOR ANIMAL SURGERY-A REVIEW.
C I Chappel
Can J Comp Med Vet Sci 25(4):106-107, 3 REFS.
Apr 1961 41.8 C162
Anesthesia, Dogs, Electricity, Surgery.

4673-68
THE EFFECT OF BURSECTOMY OF CHICKENS IN ANTIBODY RESPONSE TO NEWCASTLE DISEASE VIRUS.
B R Cho
Amer J Vet Res 24(101):832-834, 17 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Antibodies, Bursectomy, Chickens, Newcastle disease virus.

4674-68
IMMUNITY TO SWINE ERYSIPELAS IN PIGS. DIRECT CHALLENGE WITH ERYSIPELOTHRIX RHUSIOPATHIAE BY INTRADERMAL ROUTE.
K S Chodnik J W Stevens
J Comp Pathol 72(2):142-148, 8 REFS.
Apr 1962 41.8 J82
Erysipelothrix, Erysipelothrix rhusiopathiae vaccine, Immunity, Skin tests, Swine, Swine erysipelas.

4675-68
ABORTION EXPERIMENTALLY INDUCED IN CATTLE BY INFECTIOUS BOVINE RHINOTRACHEITIS.
T L Chow J A Molello N V Owen
Amer Vet Med Ass J 144(9):1005-1007, 9 REFS.
01 May 1964 41.8 AM3
Abortion, Cattle, Infectious bovine rhinotracheitis virus.

4676-68
INFECTIOUS BOVINE RHINOTRACHEITIS IN RANGE CATTLE OF COLORADO.
T L Chow
Amer Vet Med Ass J 138(2):59-60, 1 TAB., 1 FIG.
15 Jan 1961 41.8 AM3
Antibodies, Cattle, Infectious bovine rhinotracheitis virus, Serum.

4677-68
AN ELECTRON MICROSCOPIC STUDY OF THE CYTOPATHOLOGIC CHANGES IN CELLS INFECTED WITH HOG CHOLERA VIRUS AND GROWN IN VITRO.
B Chung Tao Lee
Cornell Vet 52(1):39-51, 7 REFS.
Jan 1962 41.8 C81
Electron microscopy, Hog cholera virus, Tissue culture.

4678-68
LEPTOSPIROSIS IN CATTLE AND WILDLIFE ON A PENNSYLVANIA FARM.
L G Clark J I Kresse E A Carbrey R R Marshak C J Hollister
Amer Vet Med Ass J 139(8):889-891, 9 REFS., 3 TABS.
15 Oct 1961 41.8 AM3
Cattle, Leptospirosis, Pennsylvania, Wildlife.

4679-68
PENTOBARBITAL ANESTHESIA IN LIONS WITH SPECIAL REFERENCE TO PREANESTHETIC MEDICATION.
D H Clifford C M Stowe Jr A L Good
Amer Vet Med Ass J
139(1):111-116, 18 REFS., 6 FIGS., 3 TABS.
01 Jul 1961 41.8 AM3
Anesthesia, Lions, Meperidine hydrochloride, Pentobarbital sodium, Promazine.

4680-68
EPIDEMIOLOGIC ASPECTS OF ORAL AND PHARYNGEAL NEOPLASTS OF THE DOG.
D Cohen R S Brodey S M Chen
Amer J Vet Res 25(109):1776-1780, 5 REFS
Nov 1964 41.8 AM3A
Mouth, Neoplasms, Pharynx.

4681-68
STAPHYLOCOCCUS AUREUS OF CANINE ORIGIN. I. BACTERIOPHAGE TYPING AND ANTIBIOTIC SENSITIVITY OF CULTURES ISOLATED FROM DISEASED DOGS.
E H Coles
Amer J Vet Res 24(101):803-807, 8 REFS., 4 TABS.
Jul 1963 41.8 AM3A
Bacteriophages, Dogs, Staphylococcus aureus.

4682-68
MICROBIOLOGIC INVESTIGATIONS OF NATURAL EPIZOOTICS OF SHIPPING FEVER IN CATTLE.
J R Collier W W Brown Jr T L Chow
Amer Vet Med Ass J 140(8):807-810, 18 REFS., 1 TAB.
15 Apr 1962 41.8 AM3
Cattle, Epizootic diseases, Microbiology, Shipping fever.

4683-68
THE RATE OF DIMETRIDAZOLE ON BLOOD PRESSURE, RESPIRATION, HEART RATE, BODY TEMPERATURE, AND HATCHABILITY OF CHICKS.
G J Collins Jr T M Ferguson C R Creger J R Couch
Amer J Vet Res 24(102):1063-1065, 10 REFS., 2 TABS.
Sep 1963 41.8 AM3A
Blood pressure, Chicks, Dimetridazole, Heart rate.

4684-68
PHYSIOLOGIC RUMENECTOMY OF DAIRY CALVES. I. GROWTH AND HEALTH DATA.
H W Colvin Jr. H P Peterson J T Ivy
Amer J Vet Res 24(102):933-938, 31 REFS., 2 TABS.
Sep 1963 41.8 AM3A
Abomasum, Calves, Feeding, Rumen fistula, Rumenotomy.

4685-68
SOME EFFECTS OF TEMPERATURE ON THE DEVELOPMENT AND ACTIVITY OF HAEMONCHUS CONTORTUS LARVAE.
D P Conway
Cornell Vet 54:266-270, 8 REFS., 2 TABS.
1964 41.8 C81
Haemonchus, Larval growth, Temperature gradients.

4686-68
INDUCED MOLYBDENUM TOXICITY IN CATTLE ON PASTURE.
G A Cook A L Lesperance V R Bohman E H Jensen
J Anim Sci 22(3):834
Aug 1963 49 J82
Cattle, Molybdenum, Poisoning.

4687-68
COMPARATIVE STUDIES ON PLASMA ARGINASE AND TRANSAMINASES IN HEPATIC NECROSIS.
C E Cornelius G M Douglas R E Gronwall R A Freedland
Cornell Vet 53:181-191, 8 REFS., 7 FIGS., 2 TABS.
1963 41.8 C81
Aminotransferases, Arginase, Hepatic necrosis, Necrosis.

4688-68
EQUINE VIRUS ABORTION IN CANADA. I. PATHOLOGICAL STUDIES ON ABORTED FETUSES.
A H Corner D Mitchell E B Meads
Cornell Vet 53:78-88, 10 REFS., 1 TAB., 12 FIGS.
1963 41.8 C81
Abortion, Canada, Equine rhinopneumonitis, Horses.

4689-68
ANHIDROSIS, DRY-COAT SYNDROME IN THE THOROUGHBRED.
J E Correa G G Calderin
Amer Vet Med Ass J 149(12):1556-1560, 9 REFS., 1 TAB.
Dec 1966 41.8 AM3
Anhidrosis, Horses, Thyroid gland.

4690-68
NEISSERIA FLAVA II, ETIOLOGIC AGENT IN CANINE CONJUNCTIVITIS.
W M Correa A G Ferri F Richter L F Rosales
Amer Vet Med Ass J 138(9):503-504, 1 FIG.
01 May 1961 41.8 AM3
Canine distemper, Conjunctivitis, Dogs, Neisseria.

30 4691-68

4691-68
THE CLINICAL OPERATION OF A THERAPEUTIC TRIAL ON BOVINE KETOSIS.
J F Cote R A Curtis B A McSherry
Amer Vet Med Ass J 149(12):1617-1619, 2 TABS.
Dec 1966 41.8 AM3
Cattle, Ketosis, Propylene glycol.

4692-68
IMMUNOLOGIC STUDIES ON AFRICAN SWINE FEVER VIRUS.
II. ENHANCING EFFECT OF NORMAL BOVINE SERUM ON THE COMPLEMENT-FIXATION REACTION.
K M Cowan
Amer J Vet Res 24(101):756-761, 13 REFS., 4 TABS.
Jul 1963 41.8 AM3A
African swine fever virus, Complement fixation, Serum, Swine.

4693-68
EXPERIMENTAL FELINE VIRAL RHINOTRACHEITIS.
R A Crandell J A Rehkemper W H Niemann J R Ganaway
Amer Vet Med Ass J 138(4):191-196, 7 FIGS.
15 Feb 1961 41.8 AM3
Cats, Conjunctivitis, Feline rhinotracheitis virus, Inclusion bodies, Lacrimation.

4694-68
INFECTIOUS BOVINE RHINOTRACHEITIS ABORTION IN CALIFORNIA BEEF CATTLE.
C S Crane G N Lukas W W Watkins
Amer Vet Med Ass J 144(1):13-18
Jan 1964 41.8 AM3
Abortion, Beef cattle, Bovine rhinotracheitis vaccines, Colibacillosis, Rhinotracheitis.

4695-68
BLOOD SERUM ENZYMES AS DIAGNOSTIC AIDS IN CANINE HEART DISEASE.
G J Crawley M J Swenson
Amer J Vet Res 24(103):1271-1278, 21 REFS., 6 TABS.
Nov 1963 41.8 AM3A
Blood enzymes, Dogs, Heart diseases.

4696-68
A COMPARISON OF SERUM TESTS IN MICE FOR THE DETECTION OF FOOT-AND-MOUTH DISEASE ANTIBODY.
R G Cunha M N Honigman
Amer J Vet Res 24(99):371-375, 9 REFS., 8 TABS.
Mar 1963 41.8 AM3A
Antibodies, Foot-and-mouth disease, Mice, Serum neutralization test.

4697-68
OBSERVATIONS ON THE DURATION OF IMMUNITY IN CATTLE AFTER EXPERIMENTAL INFECTION WITH FOOT-AND-MOUTH-DISEASE VIRUS.
H R Cunliffe
Cornell Vet 54:501-510, 8 REFS., 2 TABS., 2 FIGS.
1964 41.8 C81
Cattle, Immunization.

4698-68
MOMENTARY UPWARD FIXATION OF THE PATELLA IN A COW, AND TREATMENT BY PATELLAR DESMOTOMY.
R A Curtis
Can J Comp Med Vet Sci 25(12):314-316, 6 REFS.
Dec 1961 41.8 C162
Cattle, Lameness, Surgery.

4699-68
FLUORESCEIN-LABELED ANTIBODY TECHNIQUE FOR IDENTIFICATION OF LEPTOSPIRAL SEROTYPES--REFIXATION OF FORMALIN-FIXED ORGANISMS WITH OSMIC ACID VAPOR.
W G Dacres
Amer J Vet Res 24(103):1321-1323, 4 REFS.
Nov 1963 41.8 AM3A
Fluorescent antibody technic, Leptospirosis, Osmic acid.

4700-68
HEMOGLOBIN LEVELS OF PIGLETS AT BIRTH AND AT 21 DAYS AND THEIR RELATION TO WEIGHT AT 154 DAYS OF AGE.
D G Dale M A MacDonald J E Moxley
Can J Comp Med Vet Sci 25(8):193-196, 8 REFS., 5 TABS.
Aug 1961 41.8 C162
Baby pigs, Hemoglobin.

4701-68
THE CONTROL OF NEWCASTLE DISEASE.
sir T Dalling
Brit Vet J 118(5):212-217
May 1962 41.8 V643
Humane slaughtering, Newcastle disease, Poultry.

4702-68
POTASSIUM AND HEMOGLOBIN TYPES IN SHEEP WITH SPECIAL REFERENCE TO THE TRANSMISSION OF SCRAPIE.
<le Q C Darcel R J Avery
Can J Comp Med Vet Sci
24(1):27-35, 13 REFS., 4 FIGS., 4 TABS.
Jan 1960 41.8 C162
Hemoglobin, Potassium, Scrapie, Sheep.

4703-68
AVIAN ERYTHROBLASTOSIS, IV. A NOTE ON THE SEPARATION OF FOWL HEMOGLOBINS, HEMATIN AND FERRITIN BY PAPER ELECTROPHORESIS.
C le Q Darcel
Can J Comp Med Vet Sci 25(5):129-131, 17 REFS.
May 1961 41.8 C162
Avian erythroblastosis, Birds, Electrophoresis, Heme, Hemoglobin.

4704-68
CONGENITAL TREMBLING IN LAMBS.
C le Q Darcel R J Avery A R Bainborough
Can J Comp Med Vet Sci 25(5):132-133, 8 REFS., 1 TAB.
May 1961 41.8 C162
Avitaminosis, Lambs, Scrapie, Vitamin A.

4705-68
AVIAN ERYTHROBLASTOSIS I. IN VIVO AND IN VITRO INCORPORATION OF FE59.
C le Q Darcel R Bather
Can J Comp Med Vet Sci 24(7):199-203, 7 REFS.
Jul 1960 41.8 C162
Avian erythroblastosis, Ferric chloride, Ferrous citrate, Leghorn chickens.

4706-68
STUDIES ON SWINE DYSENTERY.
J W Davis
Amer Vet Med Ass J 138(9):471-483, 5 TABS.
01 May 1961 41.8 AM3
Animal disease resistance, Arsenophenyl semicarbazone (Nf 256), Furazolidone, Human diseases, Nitrofurans, P, 1-(nitro-2-furaldehyde)-4-, Sheep, Sodium arsanilate, Swine, Swine dysentery, Vibrio.

4707-68
STUDIES ON HEMOLYTIC ESCHERICHIA COLI ASSOCIATED WITH EDEMA DISEASE OF SWINE. III. THE EFFECT OF HEMOLYTIC AND NONHEMOLYTIC ESCHERICHIA COLI ENDOTOXIN ON THE BLOOD OF SWINE.
J W Davis R M Smibert
Amer J Vet Res 24(99):324-328, 15 REFS., 3 TABS.
Mar 1963 41.8 AM3A
Edema disease, Escherichia coli bacterins, Swine.

4708-68
A TRITURATE AND FILTRATE TRANSMISSIBLE AVIAN FIBROMYXOSARCOMA FOUND IN NIGERIA, WEST AFRICA.
O S Davis D H Hill
Can J Comp Med Vet Sci 24(6):181-186, 45 REFS.
Jun 1960 41.8 C162
Fibromyxosarcoma, Myxosarcoma, Nigeria, Sarcoma.

4709-68
SALMONELLOSIS IN THE DOG.
W H Day E James C D Heather
Amer J Vet Res 24(98):156-158, 6 REFS.
Jan 1963 41.8 AM3A
Dog foods, Dogs, Salmonellosis.

4710-68
THE USE OF MICE FOR THE POTENCY TESTING OF MODIFIED LIVE-VIRUS RABIES VACCINE.
D J Dean I Sherman W R Thompson
Amer J Vet Res 24(100):614-620, 9 REFS., 8 TABS.
May 1963 41.8 AM3A
Mice, Rabies, Viral vaccines.

4711-68
THE INCIDENCE OF AFRICAN SWINE FEVER IN WART HOGS IN KENYA - A PRELIMINARY REPORT.
D E Detray D Zaphiro D Hay
Amer Vet Med Ass J 138(2):78-80, 1 TAB.
15 Jan 1961 41.8 AM3
African swine fever virus, Animal vectors, Phacochoerus, Potomochoerus, Wart hogs.

4712-68
EFFECTS OF SEASON OF BREEDING ON REPRODUCTIVE AND WEANING PERFORMANCE OF BEEF CATTLE GRAZING SELENIFEROUS RANGE.
C A Dinkel J A Minyard D E Ray
J Anim Sci 22(4):1043-1045, 7 REFS., 1 TAB.
Nov 1963 49 J82
Arsanilic acid, Beef cattle, Breeding, Seleniferous plants, Weaning.

4713-68
A PLANNED INFECTION PROGRAM FOR IMMUNIZING MARES AGAINST VIRAL RHINOPNEUMONITIS.
E R Doll J T Bryans
Cornell Vet 53:249-262, 12 REFS., 3 TABS., 1 FIG.
1963 41.8 C81
Abortion, Equine rhinopneumonitis, Horses, Immunization.

4714-68
IMMUNIZATION AGAINST VIRAL RHINOPNEUMONITIS OF HORSES WITH LIVE VIRUS PROPAGATED IN HAMSTERS.
E R Doll
Amer Vet Med Ass J 139(12):1324-1330, 11 REFS.
15 Dec 1961 41.8 AM3
Equine rhinopneumonitis, Hamsters, Horses, Immunization.

4715-68
IMMUNIZATION OF YOUNG HORSES AGAINST VIRAL RHINOPNEUMONITIS.
E R Doll J T Bryans
Cornell Vet 53:24-41, 5 REFS., 10 TABS.
1963 41.8 C81
Equine rhinopneumonitis, Horses, Immunization.

4716-68
THE PATHOLOGY OF AUJESZKY S DISEASE IN CATTLE.
C Dow J B McFerran
J Comp Pathol 72(4):337-347, 7 REFS.
Oct 1962 41.8 J82
Brain, Cattle, Pseudorabies, Spinal cord.

4717-68
INCIDENCE OF INCLUSION-BODY RHINITIS IN IOWA SWINE.
J R Duncan B F Ross W P Switzer
Amer Vet Med Ass J 144(1):33-37, 15 REFS.
01 Jan 1964 41.8 AM3
Baby pigs, Inclusion-body rhinitis virus.

4718-68
THE PATHOGENESIS OF OVINE PNEUMONIA. I. ISOLATION OF A VIRUS OF THE PLV GROUP.
D L Dungworth D R Cordy
J Comp Pathol 72(1):49-70, 32 REFS.
Jan 1962 41.8 J82
Miyagawanella group viruses, Pneumonia, Sheep.

4719-68
THE PATTERN AND CAUSES OF BREAKS FOLLOWING VACCINATION WITH ATTENUATED HOG CHOLERA VACCINES.
H W Dunne
Amer Vet Med Ass J 138(6):311-316, 24 REFS.
15 Mar 1961 41.8 AM3
Antibiotics, Drug therapy, Hog cholera, Immunization.

4720-68
BORDETELLA BRONCHISEPTICA (BRUCELLA BRONCHISEPTICA) IN PNEUMONIA IN YOUNG PIGS.
H W Dunne D C Kradel R B Doty
Amer Vet Med Ass J 139(8):897-899, 4 REFS., 3 FIGS.
15 Oct 1961 41.8 AM3
Baby pigs, Bordetella bronchiseptica, Pneumonia.

4721-68
EPITHELIAL METAPLASIA IN EXPERIMENTAL VITAMIN A-DEFICIENT LAMBS.
B Dutt P C Sawhney
Brit Vet J 118(1):24-28
Jan 1962 41.8 V643
Avitaminosis, Epithelium, Keratinization, Lambs, Metaplasia, Vitamin A.

4722-68
EFFECT OF ATROPHIC RHINITIS ON RATS OF GAIN IN SWINE.
F L Earl G E Waitmore R A Damon H O Hetzer H R Tribble Jr
Amer Vet Med Ass J 140(5):443-447, 9 REFS., 4 TABS.
01 Mar 1962 41.8 AM3
Atrophic rhinitis, Growth factors, Swine.

4723-68
THE GROWTH OF RIFT VALLEY FEVER VIRUS IN CULTURES OF ESTABLISHED LINES OF CELLS.
B C Easterday L C Murphy
Cornell Vet 53:3-11, 18 REFS., 6 TABS.
1963 41.8 C81
Rift valley fever virus, Tissue culture.

4724-68
STUDIES ON RIFT VALLEY FEVER IN LABORATORY ANIMALS.
B C Easterday L C Murphy
Cornell Vet 53:423-433, 19 REFS., 6 TABS.
1963 41.8 C81
Cattle, Insect vectors, Sheep.

4725-68
A PRACTITIONER S EXPERIENCE WITH SPF PIGS.
B G Eaton
Amer Vet Med Ass J 140(6):581
15 Mar 1962 41.8 AM3
Ascaris, Bacterins, Germ-free life, Pneumonia, Scours, Sulfonamides, Swine, Verminous bronchitis, Vitamins.

4726-68
THE EFFECT OF MICROBIAL CONTAMINATION ON THE REQUIREMENT OF CHICKS FOR CERTAIN NUTRIENTS.
H M Edwards F M Boyd
Poultry Sci 42(1):235-240, 5 REFS.
Jan 1963 47.8 AM33P
Chicks, Nutrition.

4727-68
DIRECT PHASE MICROSCOPIC EXAMINATION OF BILE AS AN AID IN DIAGNOSING AVIAN VIBRIONIC HEPATITIS.
T B Eleazer B S Powell D E Boebuck B W Bierer
Amer Vet Med Ass J 144(4):380, 2 REFS.
15 Feb 1964 41.8 AM3
Avian vibrionic hepatitis, Bile, Phase-contrast microscopy.

4728-68
THE PUBLIC HEALTH AND ECONOMIC EFFECTS OF VESICULAR STOMATITIS IN A HERD OF DAIRY CATTLE.
E M Ellis H E Kendall
Amer Vet Med Ass J 144(4):377-380, 4 REFS. 4 TABS.
15 Feb 1964 41.8 AM3
Agricultural economics, Dairy cattle, Public health, Vesicular stomatitis virus.

4729-68
FIELD EXPERIENCE WITH CLOSTRIDIUM ENTEROTOXEMIA IN YOUNG ANIMALS.
J E English Jr
Amer Vet Med Ass J 149(12):1565-1568, 5 REFS., 1 TAB.
Dec 1966 41.8 AM3
Baby pigs, Calves, Enterotoxemia, Foals, Lambs.

4730-68
SUSCEPTIBILITY OF CATS TO PHENOL.
M R Ernest R Klesmer R A Huebner J E Martin
Amer Vet Med Ass J 138(4):197-199, 2 TABS.
15 Feb 1961 41.8 AM3
Cats, Hypodermic injections, Injections, Phenols, Toxicity.

4731-68
ANAPLASMA MARGINALE. IT. FURTHER STUDIES OF MORPHOLOGIC FEATURES WITH PHASE CONTRAST AND LIGHT MICROSCOPY.
E M Espana C Espana
Amer J Vet Res 24(101):713-722, 19 REFS.
Jul 1963 41.8 AM3A
Anaplasmosis, Cattle, Morphology, Phase-contrast microscopy.

4732-68
ARTIFICIAL PNEMOPERITONEUM FOR TREATING TENESMUS.
G Esperson
Can J Comp Med Vet Sci 25(9):232
Sep 1961 41.8 C162
Cattle, Laparotomy, Pneumoperitoneum, Tenesmus.

4733-68
DIFFERENTIATION OF PASTEURELLA PSEUDOTUBERCULOSIS AND BORDETELLA BRONCHISEPTICA BY SIMPLE BIOCHEMICAL TESTS.
H Farkas-Himsley
Amer J Vet Res 24(101):871-873, 5 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Agar, Pseudotuberculosis, Sulfites.

4734-68
CERVICAL GANGLIONEUROMA IN A DOG.
J F Ferrell R D Bunt B M Nims
Amer Vet Med Ass J 144(5):508-512, 10 REFS.
01 Mar 1964 41.8 AM3
Dogs, Neoplasms, Nervous system diseases.

4735-68
Q FEVER IN ILLINOIS-1958 TO 1960.PREVALANCE OF REACTORS AND INFECTIONS IN LIVESTOCK.
D H Ferris L E Hanson C A Bradly
Amer Vet Med Ass J 139(10):1111-1115, 17 REFS., 3 FIGS.
15 Nov 1961 41.8 AM3
Illinois, Livestock diseases, Q fever.

4736-68
BACTERIOLIC AND SEROLOGIC INVESTIGATIONS OF BRUCELLOSIS AND LEPTOSPIROSIS IN ILLINOIS DEER.
D H Ferris L E Hanson H E Rhoades J O Alberts
Amer Vet Med Ass J 139(8):892-896, 20 REFS.
15 Oct 1961 41.8 AM3
Brucellosis, Illinois, Immunochemistry, Leptospirosis, Wildlife.

4737-68
INFECTIOUS BOVINE RHINOTRACHEITIS IN NEW YORK DAIRY CATTLE.
J Ferris R Batchelder R Kahrs D Pritchard
Cornell Vet K4:319-324, 9 REFS., 2 TABS.
1964 41.8 C81
Dairy cattle, New york.

4738-68
EXPERIMENTAL FELINE LEPTOSPIROSIS.
J P Fessler R L Morter
Cornell Vet 54:176-190, 16 REFS., 7 FIGS.
1964 41.8 C81
Cats, Leptospirosis.

4739-68
THE ISOLATION OF VIBRIO FETUS FROM THE OVINE GALLBLADDER.
B D Firehammer S A Lovelace W W Hawkins Jr
Cornell Vet 52(1):21-35, 21 REFS., 3 TABS.
Jan 1962 41.8 C81
Gallbladder, Sheep, Vibriosis.

4740-68
BACTERINS FOR IMMUNIZATION AGAINST BOVINE VIBRIOSIS.
B D Firehammer R L Berg
Amer Vet Med Ass J 149(12):1640-1642, 11 REFS., 2 TABS.
Dec 1966 41.8 AM3
Cattle, Immunization, Vibrio fetus bacterins.

4741-68
THE PATHOGENICITY OF VIBRIO FETUS ISOLATED FROM OVINE BILE.
B D Firehammer W W Hawkins Jr
Cornell Vet 54:308-314, 4 REFS., 4 TABS.
1964 41.8 C81
Pathogenicity, Sheep, Vibrio.

4742-68
TOXOPLASMOSIS DIAGNOSIS BY SEROLOGICAL AND CULTURAL METHODS.
N A Fish
Can J Comp Med Vet Sci 25(6):139-141, 8 REFS., 1 TAB.
Jun 1961 41.8 C162
Culture media, Minks, Serodiagnosis, Sheep, Toxoplasmosis.

4743-68
STUDIES ON BOVINE STAPHLOCOCCAL MASTITIS. III. INACTIVATION AND ANTIGENICITY OF TOXINS.
L W Fleming
Cornell Vet 52(3):350-362, 13 REFS., 2 TABS.
Jul 1962 41.8 C81
Cattle, Mastitis, Toxins.

4744-68
CURRENT STATUS OF ANIMAL-BORNE DISEASES AMONG THE ESKIMOS.
R Fortuine
Can J Comp Med Vet Sci 25(7):185-189, 29 REFS.
Jul 1961 41.8 C162
Animals, Brucellosis, Diphyllobothriasis, Echinococcosis, Human diseases, Trichinosis.

4745-68
PRELIMINARY INVESTIGATIONS ON INSECT TRANSMISSION OF BLUETONGUE VIRUS IN SHEEP.
N M Foster R H Jones B R McCrory
Amer J Vet Res 24(103):1195-1199, 13 REFS., 2 TABS.
Nov 1963 41.8 AM3A
Bluetongue virus, Diptera, Sheep.

4746-68
CLINICAL AND ERYTHROKINETIC STUDIES ON A CASE OF BOVINE POLYCYTHEMIA VERA.
M E Fowler C E Cornelius N F Baker
Cornell Vet 54:153-160, 11 REFS., 2 TABS., 2 FIGS.
1964 41.8 C81
Beef cattle, Polycythemia vera, Radioactive tracers.

4747-68
UROLITHIASIS2. INCIDENCE OF BLADDER CALCULI, URINE PROPERTIES AND URETHRAL DIAMETERS OF STEERS.
F W Frank W A Meinershagen R R Baron L H Scrivner T B Keith
Can J Comp Med Vet Sci 25(12):320
Dec 1961 41.8 C162
Cattle, Urolithiasis.
Am. J. Vet. Res. 22:899, 1961.

4748-68
PREVALENCE OF BOVINE MASTITIS DURING VARIOUS STAGES OF LACTATION.
N A Frank W D Pounden
Amer Vet Med Ass J 138(4):184-187, 2 TABS., 1 FIG.
15 Feb 1961 41.8 AM3
Cattle, Lactation, Mastitis.

4749-68
ANAPLASMOSIS COMPLEMENT-FIXATION ANTIGEN PRODUCTION.
T E Franklin F C Heck J W Huff
Amer J Vet Res 24(100):483-487, 10 REFS., 3 TABS.
May 1963 41.8 AM3A
Anaplasmosis, Cattle, Complement fixation.

4750-68
BACTERIOPHAGE TYPING AND SENSITIVITY TESTING TO CHLORQUINALDOL OF STAPHYLOCOCCI ISOLATED FROM BOVINE MASTITIS.
I Fratta P H Mann E B Sigg
Can J Comp Med Vet Sci 25(4):96-97, 5 REFS., 1 TAB.
Apr 1961 41.8 C162
Bacteriophages, Dichloro-8-hydroxyquinaldine, Mastitis.

4751-68
DEMODEX CANIS IN CANINE TISSUES.
F E French
Cornell Vet 54:271-290, 17 REFS., 6 TABS., 7 FIGS.
1964 41.8 C81
Demodex, Dogs, Lymph nodes, Mites.

4752-68
HOURGLASS EXTRADURAL LIPOMA IN A DOG.
B Funkquist
Amer Vet Med Ass J 138(6):302-305, 15 REFS., 4 FIGS.
15 Mar 1961 41.8 AM3
Dogs, Lipoma.

4753-68
NEWCASTLE DISEASE IN TURKEYS.
C Gale M G McCartney V L Sanger
Amer Vet Med Ass J 139(4):462-465, 12 REFS., 5 FIGS.
15 Aug 1961 41.8 AM3
Newcastle disease, Turkeys.

4754-68
ISOLATION OF A VIRUS FROM CLINICAL SHIPPING FEVER IN CATTLE.
C Gale N B King
Amer Vet Med Ass J 138(5):235- 238, 20 REFS., 2 FIGS.
01 Mar 1961 41.8 AM3
Cattle, Leukopenia, Parainfluenza-3 virus, Pasteurella bacterins, Shipping fever.

4755-68
GRASS SEED NEMATODE POISONING IN LIVESTOCK.
J H Galloway
Amer Vet Med Ass J 139(11):1212-1214, 5 REFS.
01 Dec 1961 41.8 AM3
Chewings fescue hay, Grass seed nematode, Livestock, Poisoning.

4756-68
METASTATIC CALCIFICATION ASSOCIATED WITH WHITE MUSCLE DISEASE IN LAMBS.
M R Gardiner
Amer Vet Med Ass J 138(10):553-556
15 May 1961 41.8 AM3
Anthelmintics, Arsenic, Carbon tetrachloride, Clover, Copper, Lambs, Selenium, Toxicity, Vitamin E, White muscle disease.

4757-68
INTERRELATIONSHIP OF GROWTH RATE, HEMOGLOBIN DILUTION, PACKED CELL VOLUME, AND INCIDENCE OF ANEMIA IN SUCKLING PIGS.
M H Gehle L C Payne E R Peo C L Marsh
Amer Vet Med Ass J 138(2):81-84, 16 REFS., 2 TABS.
15 Jan 1961 41.8 AM3
Anemia, Growth factors, Hemoglobin, Packed cell volume,

Swine.

4758-68
ANTIBIOTIC UTERINE INFUSION TO AID FERTILITY.
W J Gibbons G K Kiesel
Cornell Vet 54:382-393, 9 REFS., 8 TABS.
1964 41.8 C81
Antibiotics, Cattle, Fertility, Oxytetracycline, Uterine infusion.

4759-68
FEATURES OF IMMUNITY FOR CANINE DISTEMPER.
J H Gillespie
Amer Vet Med Ass J 149(12):1766-1768
Dec 1966 41.8 AM3
Canine distemper vaccines, Canine distemper virus, Immunity, Measles vaccine.

4760-68
STUDIES ON VIRUS DIARRHEA VIRUS OF CATTLE, WITH SPECIAL REFERENCE TO ITS GROWTH IN TISSUE CULTURE AND ITS ETHER SUSCEPTIBILITY.
J H Gillespie S H Madin N B Darby Jr
Cornell Vet 53:276-282, 5 REFS., 2 FIGS.
1963 41.8 C81
Cattle, Virus diarrhea.

4761-68
LEPTOSPIROSIS IN CATTLE MAY NOT SPREAD TO ASSOCIATED MUSKRATS.
R W H Gillespie J Ryno
Amer J Vet Res 24(100):634-637, 6 REFS.
May 1963 41.8 AM3A
Cattle, Serodiagnosis, Wildlife.

4762-68
QUANTITATIVE STUDIES OF MYCOBACTERIUM JOHNEI IN THE TISSUES OF SHEEP.
N J L Gilmour J G Brotherston
J Comp Pathol 72(2):165-169, 3 REFS.
Apr 1962 41.8 J82
Intestines, Johne s disease, Lymph nodes, Mycobacterium, Pharyngeal glands, Sheep.

4763-68
EQUINE VIRUS ABORTION IN CANADA. II. ISOLATION OF VIRUSES AND DETECTION OF ANTIBODIES IN TISSUE CULTURE.
A. Girard A S Greig D. Mitchell
Cornell Vet 53:88-98, 9 REFS., 1 TAB., 4 FIGS.
1963 41.8 C81
Abortion, Antibodies, Canada.

4764-68
MUCORMYCOSIS AND MONILIASIS IN A LITTER OF SUCKING PIGS.
M Gitter K C Auctwick
Can J Comp Med Vet Sci 24(1):35,41
Jan 1960 41.8 C162
Baby pigs, Moniliasis, Mucormycosis.

4765-68
IN VITRO SENSITIVITY OF ESCHERICHIA COLI TO ANTIBIOTICS AND NITROFURANS.
P J Glantz
Cornell Vet 52(4):552-562, 5 REFS., 4 TABS.
Oct 1962 41.8 C81
Antibiotics, Escherichia coli, Nitrofurans.

4766-68
A RESPIRATORY DISEASE OF PIGS (TYPE XI) DIFFERING FROM ENZOOTIC PNEUMONIA THE FIELD DISEASE.
R F W Goodwin P Whittlestone
J Comp Pathol 72(4):389-410, 4 REFS.
Oct 1962 41.8 J82
Baby pigs, Field disease, Pneumonia, Respiratory diseases, Swine.

4767-68
FORMALDEHYDE INACTIVATION OF FOOT-AND-MOUTH DISEASE VIRUS AS APPLIED TO VACCINE PREPARATION.
J H Graves
Amer J Vet Res 24(103):1131-1135, 11 REFS., 3 TABS.
Nov 1963 41.8 AM3A
Foot-and-mouth disease virus, Formaldehyde, Vaccines.

4768-68
AN ANNOTATED BIBLIOGRAPHY OF SURVEYS OF THE INCIDENCE OF DISEASES OF FARM ANIMALS AND BIRDS IN GREAT BRITAIN PUBLISHED DURING 1931-1961. III. CATTLE (SURVEYS 58-87).
D E Gray M E Stebbings
Brit Vet J 118(11):494-498
Nov 1962 41.8 V643
Bibliography, Birds, Cattle, Great Britain, Livestock.

4769-68
AN ANNOTATED BIBLIOGRAPHY OF SURVEYS OF THE INCIDENCE OF DISEASES OF FARM ANIMALS AND BIRDS IN GREAT BRITAIN PUBLISHED DURING 1931-1961. II. CATTLE.
D E Gray M E Stebbings
Brit Vet J 118(10):443-446
Oct 1962 41.8 V643
Bibliography, Birds, Cattle, Great Britain, Livestock.

4770-68
AN ANNOTATED BIBLIOGRAPHY OF SURVEYS OF THE INCIDENCE OF DISEASES OF FARM ANIMALS AND BIRDS IN GREAT BRITAIN PUBLISHED DURING 1931-1961. IV. CATTLE (SURVEYS 88-129).
D E Gray M E Stebbings
Brit Vet J 118(12):534-540
Dec 1962 41.8 V643
Bibliography, Birds, Cattle, Great Britain, Livestock.

4771-68
AN ANNOTATED BIBLIOGRAPHY OF SURVEYS OF THE INCIDENCE OF DISEASES OF FARM ANIMALS AND BIRDS IN GREAT BRITAIN PUBLISHED DURING 1931-1961. I. SURVEYS COVERING SEVERAL SPECIES AND SURVEYS OF FIGS.
D E Gray M E Stebbings
Brit Vet J 118(9):399-402
Sep 1962 41.8 V643
Bibliography, Birds, Great Britain, Livestock, Swine.

4772-68
STUDIES ON BLUETONGUE I. INEFFECTIVITY OF THE VIRUS IN THE SHEEP KED, MELOPHAGUS OVINUS (L.).
D P Gray G L Bannister
Can J Comp Med Vet Sci 25(9):230-232, 5 REFS.
Sep 1961 41.8 C162
Bluetongue virus, Melophagus ovinus, Sheep.

4773-68
NATURALLY OCCURRING AND SULFONAMIDE-INDUCED LESIONS IN RATS DURING A 1-YEAR TOXICITY STUDY.
J E Gray
Amer J Vet Res 24(102):1044-1059, 23 REFS., 2 TABS.
Sep 1963 41.8 AM3A
Rats, Sulfonamides, Toxicology.

4774-68
THE PRODUCTION OF NIACIN BY MYCOBACTERIA.
L Greenberg L Eidus B B Diena
Can J Comp Med Vet Sci 24(6):187-191, 10 REFS.
Jun 1960 41.8 C162
Mycobacterium, Nicotinic acid.

4775-68
STUDIES ON PATHOGENIC PORCINE ENTEROVIRUSES. II. ISOLATION OF VIRUS IN TISSUE CULTURE FROM BRAIN AND FECES OF CLINICAL CASES.
A S Greig G L Bannister D Mitchell A H Corner
Can J Comp Med Vet Sci 25(6):142-150, 15 REFS., 3 TABS.
Jun 1961 41.8 C162
Encephalomyelitis, Swine, Teschen disease, Tissue culture.

4776-68
DETECTION OF OTITIS MEDIA IN THE RAT.
E Greselin
Can J Comp Med Vet Sci 25(11):274-276, 3 REFS.
Nov 1961 41.8 C162
Otitis, Rats.

4777-68
HISTOPATHOLOGIC CHANGES IN XANTHOMATOSIS IN CHICKENS.
J H Greve H E Moses
Amer Vet Med Ass J 139(10):1106-1110, 16 REFS., 7 FIGS.
15 Nov 1961 41.8 AM3
Chickens, Histopathology, Xanthomatosis.

4778-68
THE DETECTION OF ANTIBODY TO INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS IN ONTARIO CATTLE.
A S Grieg
Can J Comp Med Vet Sci 25(2):31-34, 6 REFS., 1 TAB.
Feb 1961 41.8 C162
Antibodies, Cattle, Infectious bovine rhinotracheitis virus, Serum.

4779-68
TISSUE CULTURE STUDIES AND ELECTRON MICROSCOPY OF THE VIRUS OF TESCHEN DISEASE.
A S Grieg

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Can J Comp Med Vet Sci 25(1):3-7, 9 REFS., 2 TABS.
Jan 1961 41.8 C162
Electron microscopy, Serum, Swine, Teschen disease, Tissue culture.

4780-68
EPIDEMIOLOGY OF PARATYPHOID INFECTIONS IN TURKEYS.
L C Grumbles A I Flowers
Amer Vet Med Ass J 138(5):261-262
01 Mar 1961 41.8 AM3
Cottonseed oil, Food contamination, Salmonella bacterins, Salmonellosis, Soybean meal, Turkeys.

4781-68
ELECTROCARDIOGRAPHIC CHANGES IN EXPERIMENTAL THALLIUM POISONING.
O Grunfeld G Battilana L Aldana G Hinostroza P Larrea
Amer J Vet Res 24(103):1291-1295, 31 REFS.
Nov 1963 41.8 AM3A
Poisoning, Rabbits.

4782-68
A STUDY OF THE ETIOLOGY OF FOOT-ROT IN CATTLE.
R B Gupta M G Fincher D W Bruner
Cornell Vet 54:66-77, 23 REFS., 3 TABS., 1 FIG.
1964 41.8 C81
Cattle, Fusiformus.

4783-68
PROPERTIES OF A SLIME ISOLATED FROM THE RUMEN FLUID OF CATTLE BLOATING ON CLOVER PASTURE.
J Gutierrez H W Essig P P Williams R E Davis
J Anim Sci 22(2):506-509, 13 REFS., 3 TABS.
May 1963 49 J82
Bloat, Cattle, Clover, Rumen.

4784-68
RHINITIS OF SWINE XIV HAEMATOLOGY OF INFECTED AND NORMAL PIGS.
R Gwatkin C L Ecuyer
Can J Comp Med Vet Sci 24(1):12-15
Jan 1960 41.8 C162
Atrophic rhinitis, Baby pigs, Blood analysis.

4785-68
EFFECT OF ANTIBIOTICS ON GROWTH AND ENTERITIS IN RABBITS.
K W Hagen Jr K Sittmann R B Casady
J Anim Sci 22(3):833
Aug 1963 49 J82
Chlortetracycline, Enteritis, Rabbits.

4786-68
BOVINE MASTITIS CAUSED BY AMYCOPLASMA SPECIES.
H H Hale C F Helmboldt W N Plastridge E F Stula
Cornell Vet 52(4):582-591, 2 TABS.
Oct 1962 41.8 C81
Cattle, Mastitis, Mycoplasmosis.

4787-68
EXPERIMENTAL IMMUNIZATION OF CATTLE AGAINST SHIPPING FEVER.
A H Hamdy A L Trapp
Cornell Vet 54:41-49, 14 REFS., 2 TABS.
1964 41.8 C81
Cattle, Parainfluenza-3, Pasteurella bacterins, Shipping fever.

4788-68
EXPERIMENTAL TRANSMISSION OF SHIPPING FEVER IN CALVES.
A H Hamdy A L Trapp C Gale N B King
Amer J Vet Res 24(99):287-294, 26 REFS., 3 TABS.
Mar 1963 41.8 AM3A
Calves, Shipping fever.

4789-68
THE IN VITRO INCORPORATION OF TRITIUM-3-THYMIDINE INTO THE MONONUCLEAR CELLS OF THE PERIPHERAL BLOOD OF CATTLE.
W C D Hare
Amer J Vet Res 24(98):94-97, 5 REFS., 3 TABS.
Jan 1963 41.8 AM3A
Blood, Cattle, Lymphosarcoma, Monocytes, Thymidine.

4790-68
BASE-LINE LYMPHOCYTE COUNTS RELATING TO BOVINE LYMPHOSARCOMA.
W C D Hare J Ipsen D A Abt
Amer J Vet Res 24(98):98-103, 5 REFS., 8 TABS.
Jan 1963 41.8 AM3A
Cattle, Lymphosarcoma.

4791-68
BERSAMA ABYSSINICA POISONING. THE EFFECTS OF A PURIFIED EXTRACT ON CATTLE.
K W Harker R N Gourlay J A Lock
J Comp Pathol 72(3):308-315, 4 REFS.
Jul 1962 41.8 J82
Africa, Bersama, Cattle, Poisoning, Uganda.

4792-68
PSEUDOMONAS FLUORESCENS PENETRATION OF EGG SHELL MEMBRANES AS INFLUENCED BY SHELL POROSITY, AGE OF EGG AND DEGREE OF BACTERIAL CHALLENGE.
T E Hartung W J Stadelman
Poultry Sci 42(1):147-150, 12 REFS.
Jan 1963 47.8 AM33P
Eggs, Pseudomonas.

4793-68
TRANSIENT REMISSION OF CANINE CIRCULATING MALIGNANT LYMPHOMA FOLLOWING VIRAL INFECTION.
R C Hatch H A Hartman W S Gochenour Jr
Amer Vet Med Ass J 140(11):1201-1206, 7 REFS.
01 Jun 1962 41.8 AM3
Dogs, Lymphoma, Virus diseases.

4794-68
ENDOCRINE CONTROL OF VASCULAR PERMEABILITY AND INDUCED LEUKOCYTIC EMIGRATION IN THE RABBIT UTERUS.
H W Hawk G D Turner T H Brinsfield
Amer J Vet Res 24(100):595-600, 22 REFS., 3 TABS.
May 1963 41.8 AM3A
Endocrine glands, Leukocytes, Rabbits, Uterus.

4795-68
EFFECT OF OVARIAN STATUS ON THE ACUTE RESPONSE TO INFLAMMATORY STIMULI IN THE MAMMARY GLAND OF THE EWE.
H W Hawk H F Righter T H Brinsfield
Amer J Vet Res 24(100):428-433, 11 REFS., 3 TABS.
May 1963 41.9 AM3A
Inflammation, Ovaries, Sheep.

4796-68
SOME EFFECTS OF FEEDING STILBESTROL, CHLORTETRACYCLINE AND PENICILLIN WITH ALFALFA SOILAGE ON STEER PERFORMANCE AND CARCASS QUALITY.
W W Heinemann H H Fanelli
J Anim Sci 22(1):19-21, 7 REFS., 4 TABS.
Feb 1963 49 J82
Alfalfa, Beef cattle, Chlortetracycline, Diethylstilbestrol, Feeding, Penicillin.

4797-68
MIOSIS IN ATRETIC GRAAFIAN FOLLICLES IN CATTLE.
B Henricson E Rajakoski
Cornell Vet 52(1):78-83, 8 REFS., 1 TAB.
Jan 1962 41.8 C81
Cattle, Chromosomes, Meiosis.

4798-68
ATTEMPTS TO TRANSFER PSOROPTIC MITES FROM ELK TO CATTLE TO SHEEP.
W G Hepworth G M Thomas
Amer Vet Med Ass J 140(7):689-690
01 Apr 1962 41.8 AM3
Cattle, Elks, Psoroptes equi, Sheep.

4799-68
SERIAL CULTURES OF LAMB TESTICULAR CELLS AND THEIR USE IN VIRUS STUDIES.
W R Hess H J May R E Patty
Amer J Vet Res 24(98):59-63, 15 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Lambs, Testes, Tissue culture, Viruses.

4800-68
THE COMBINED EFFECT OF PASTEURELLA MULTOCIDA AND MYXOVIRUS PARAINFLUENZA-3 UPON CALVES.
F M Hetrick S C Chang R J Byrne P A Hansen
Amer J Vet Res 24(102):939-946, 16 REFS., 6 TABS.
Sep 1963 41.8 AM3A
Calves, Influenza viruses, Shipping fever.

4801-68
STUDIES ON THE EFFECT OF DIET ON THE RESISTANCE OF CHICKS TO SALMONELLA GALLIARUM INFECTION.
C H Hill
Can J Comp Med Vet Sci 25(12):308
Dec 1961 41.8 C162
Chicks, Diet, Salmonellosis.

4802-68
AVIAN TUBERCLE BACILLUS INFECTION IN THE CAT.
J W Hix T C Jones A G Karlson
Amer Vet Med Ass J 138(12):641-647, 13 REFS., 3 FIGS.
15 Jun 1961 41.8 AM3
Cats, Mycobacterium tuberculosis, Tuberculosis.

4803-68
STUDIES ON ACUTE BOVINE TRAUMATIC RETICULOPERITONITIS III. HEMATOLOGY.
C A Hjerpe
Amer Vet Med Ass J 139(2):233-235, 17 REFS.
15 Jul 1961 41.8 AM3
Bovine traumatic reticuloperitonitis, Cattle, Hematology, Rumenotomy.

4804-68
MALIGNANT MELANOMAS IN PORCINE LITTERMATES.
C A Hjerpe G H Theilen
Amer Vet Med Ass J 144(10):1129-1131, 12 REFS.
15 May 1964 41.8 AM3
Heredity, Malignant melanoma, Swine.

4805-68
AN UNUSUAL CASE OF RETAINED PUPS AND PYOMETRA IN A BITCH.
C A Hjerpe
Amer Vet Med Ass J 138(2):97-98
15 Jan 1961 41.8 AM3
Dogs, Metritis.

4806-68
SERUM HEPATITIS IN THE HORSE.
C A Hjerpe
Amer Vet Med Ass J 144(7):734-740, 26 REFS., 2 TABS.
01 Apr 1964 41.8 AM3
Enemas, Glutamic acid, Hepatitis, Horses, Neomycin, Vitamin B complex.

4807-68
STUDIES ON ACUTE BOVINE TRAUMATIC RETICULOPERITONITIS I. PLATFORM METHOD OF TREATMENT.
C A Hjerpe
Amer Vet Med Ass J 139(2):227-230, 17 REFS., 4 TABS.
15 Jul 1961 41.8 AM3
Bovine traumatic reticuloperitonitis, Cattle, Rumenotomy.

4808-68
ATYPICAL BOVINE VIRUS DIARRHEA.
C A Hjerpe
Amer Vet Med Ass J 144(11):1287-1293, 23 REFS., 5 TABS
01 Jun 1964 41.8 AM3
Bovine virus diarrhea virus, Hereford cattle, Molasses.

4809-68
PROBABLE THALLIUM POISONING WITH CONCURRENT MYCOTIC DERMATITIS IN A DOG.
C A Hjerpe I C Vaughn
Amer Vet Med Ass J 138(5):259-260
01 Mar 1961 41.8 AM3
Dogs, Mycotic dermatitis, Poisoning, Thallium.

4810-68
STUDIES ON ACUTE BOVINE TRAUMATIC RETICULOPERITONITIS II. SIGNS OF TRAUMATIC RETICULOPERITONITIS.
C A Hjerpe
Amer Vet Med Ass J 139(2):230-232, 17 REFS., 4 TABS.
15 Jul 1961 41.8 AM3
Bovine traumatic reticuloperitonitis, Cattle, Symptomatology.

4811-68
SKELETAL MUSCLE ATROPHY ASSOCIATED WITH CANINE TOXOPLASMOSIS -A CASE REPORT.
T A Holliday H J Olander A P Wind
Cornell Vet 53:288-301, 16 REFS., 6 FIGS., 2 TABS.
1963 41.8 C81
Dogs, Encephalomyelitis (dog), Skeletal muscle atrophy, Toxoplasma, Toxoplasmosis.

4812-68
ATTEMPTS TO RECOVER BOVINE MUCOSAL DISEASE VIRUS FROM ARTIFICIALLY INFECTED PIGEONS.
E T Holm I A Schipper
Amer J Vet Res 24(101):880-881, 1 REF.
Jul 1963 41.8 AM3A
Cattle, Mucosal disease, Pigeons, Tissue culture.

4813-68
CYTOLOGICAL STUDIES OF THE LIVER IN COWS WITH PUERPERAL PARESIS.
P Holtenius O Knudsen L E Ullberg
Cornell Vet 52(2):185-191, 3 REFS., 1 TAB.
Apr 1962 41.8 C81
Calcium, Cattle, Liver, Paresis.

4814-68
ON THE OCCURENCE OF INTRANUCLEAR PAS- POSITIVE MATERIAL IN LIVER CELLS OF CATTLE.
P Holtenius
Cornell Vet 53:322-327, 3 REFS., 3 TABS., 1 FIG.
1963 41.8 C81
Cattle, Para-aminosalicylic acid, Peritonitis.

4815-68
SOME IMPORTANT DISORDERS OF CATS.
J Holzworth
Cornell Vet 53:157-160, 2 REFS.
1963 41.8 C81
Cats, Cystitis, Nephritis, Peritonitis, Stomatitis, Urethral obstruction.

4816-68
NEPHRECTOMY IN CATTLE AND SHEEP.
D Horney J Archibald
Amer Vet Med Ass J 138(10):551-552, 3 FIGS.
15 May 1961 41.8 AM3
Cattle, Nephrectomy, Pyelonephritis, Renal lithiasis, Trauma.

4817-68
POLIOENCEPHALOMYELITIS OF PIGS--THE IDENTIFICATION OF VIRUSES RELATED TO THE TESCHEN AND T80 GROUPS IN THE UNITED STATES.
R A Huck S F Cartwright
Amer J Vet Res 24(103):1207-1211, 34 REFS., 3 TABS.
Nov 1963 41.8 AM3A
Swine, Teschen disease.

4818-68
PORCINE POLIOENCEPHALOMYELITIS.
R A Huck R A Bankowski J A Howarth K Yamanouchi
Amer Vet Med Ass J 144(6):612-614, 19 REFS.
15 Mar 1964 41.8 AM3
Baby pigs, Teschen disease.

4819-68
EXPERIMENTAL DISEASE PRODUCED IN PIGS FOLLOWING INFECTION WITH KONRATICE AND TALFAN STRAINS OF THE TESCHEN GROUP OF VIRUSES.
R A Huck
J Comp Pathol 72(4):380-388, 8 REFS.
Oct 1962 41.8 J82
Porcine enteroviruses, Swine, Teschen disease virus.

4820-68
THE NEUTRALISATION OF FOUR STRAINS OF TESCHEN VIRUS BY THE SERA OF PIGS INFECTED WITH THE TALFAN STRAIN.
R A Huck W B Martin E B Davies W G Chapman
J Comp Pathol 72(4):374-379, 9 REFS.
Oct 1962 41.8 J82
Porcine enteroviruses, Swine, Teschen disease virus.

4821-68
TWO CASES OF GENERALIZED CORYNEBACTERIUM PSEUDOTUBERCULOSIS INFECTION IN MARES.
J P Hughes E L Biberstein W P C Richards
Cornell Vet 52(1):51-62, 7 REFS.
Jan 1962 41.8 C81
Horses, Pseudotuberculosis.

4822-68
DACRYOADENITIS IN THE SPRAGUE-DAWLEY RAT.
R D Hunt
Amer J Vet Res 24(100):638-641, 7 REFS.
May 1963 41.8 AM3A
Dacryodentitis, Lacrimal glands, Rats.

4823-68
A HISTOCHEMICAL COMPARISON OF THE INCLUSION BODIES OF CANINE DISTEMPER AND INFECTIOUS CANINE HEPATITIS.
R D Hunt J F Ferrell S W Thompson II g Walton
Amer J Vet Res 24(103):1248-1254, 56 REFS.
Nov 1963 41.8 AM3A
Canine distemper, Deoxyribonucleic acid, Histochemistry, Inclusion bodies, Infectious canine hepatitis.

4824-68
CONTROL OF BABY PIG ANEMIA BY FEEDING HIGH LEVELS OF IRON TO LACTATING SOWS.
R D Hucks V W Hays W C Speer J T McCall
J Anim Sci 22(4):1122-1123
Nov 1963 49 J82
Anemia, Baby pigs, Iron, Milk.

4825-68
THE COMPARATIVE TITRATION OF FOOT-AND-MOUTH DISEASE VIRUS INNOCULATED INTO THE TONGUE AND FOOT PADS OF GUINEA PIGS.
J L Hyde J H Graves
Amer J Vet Res 24(100):642-643, 7 REFS.
May 1963 41.8 AM3A
Foot-and-mouth disease virus, Guinea pigs, Volumetric analysis.

4826-68
ARTERIOGRAPHY OF BONE LESIONS IN CATS AND DOGS.
R K Imhoff E H Ewald
Amer Vet Med Ass J 139(12):1293-1298, 15 REFS., 7 FIGS.
15 Dec 1961 41.8 AM3
Arteriography, Bone lesions, Cats, Dogs.

4827-68
AN ASSESSMENT OF THE SINGLE INTRADERMAL COMPARATIVE TEST IN THE DIAGNOSIS OF BOVINE TUBERCULOSIS IN CATTLE PREVIOUSLY VACCINATED AGAINST JOHNE S DISEASE.
J S S Inglis M Weipers
Brit Vet J 118(1):15-18
Jan 1962 41.8 V643
Cattle, Johne s disease, Tuberculin test, Tuberculosis.

4828-68
SURVEY OF NEBRASKA VETERINARIANS ON MASTITIS AND THE ANTIBIOTIC PROBLEM.
H R Irvin
Amer Vet Med Ass J 138(1):17-19
01 Jan 1961 41.8 AM3
Chlortetracycline, Mastitis, Milk, Oxytetracycline, Penicillin, Streptomycin.

4829-68
THE PREVALENCE OF TOXOPLASMOSIS IN NEW ZEALAND SHEEP AND CATTLE.
L Jacobs G G Moyle R R Ris
Amer J Vet Res 24(101):673-675, 6 REFS., 3 TABS.
Jul 1963 41.8 AM3A
Cattle, Mice, Sheep, Toxoplasmosis.

4830-68
THE ASSOCIATION BETWEEN HYPOCALCEMIA AND ABNORMAL RUMEN FUNCTION IN PUERPERAL PARESIS OF COWS.
S O Jacobsson O Knudsen
Cornell Vet 52(2):173-185, 16 REFS., 5 TABS.
Apr 1962 41.8 C81
Calcium, Cattle, Digestion, Paresis, Rumen.

4831-68
DISSEMINATED ASPERGILLOSIS IN A MYNAH BIRD.
M A Janovski
Amer Vet Med Ass J 149(7):944-949, 20 REFS.
Oct 1966 41.8 AM3
Aspergillosis, Birds.

4832-68
HOW MEAT INSPECTION CAN ASSIST IN DISEASE CONTROL AND ERADICATION.
W F Jennings
Amer Vet Med Ass J 149(12):1708-1713, 23 REFS.
Dec 1966 41.8 AM3
Brucellosis, Meat inspection, Tuberculosis, Zoonoses.

4833-68
BOVINE PERIRENAL DISEASE ASSOCIATED WITH PIGWEED.
Q E Jeppesen
Amer J Vet Res 149(1):22
Jul 1966 41.8 AM3A
Cattle, Edema.

4834-68
RECENT RESEARCH FINDINGS ON BOVINE TUBERCULOSIS AND THEIR APPLICATION IN ERADICATION.
H W Johnson L A Baisden A H Frank
Amer Vet Med Ass J 138(5):239-243, 27 REFS.
01 Mar 1961 41.8 AM3
Cattle, Mycobacterium, Mycobacterium tuberculosis, Tuberculin.

4835-68
RINDERPEST IN TISSUE CULTURE. III. USE OF THE ATTENUATED STRAIN AS A VACCINE FOR CATTLE.
R H Johnson
Brit Vet J 118(4):141-150
Apr 1962 41.8 V643
Cattle, Nigeria, Rinderpest, Tissue culture.

4836-68
RINDERPEST IN TISSUE VIRUS CULTURE, I. METHODS FOR VIRUS PRODUCTION.
R H Johnson
Brit Vet J 118(3):107-116, TABS.
Mar 1962 41.8 V643
Cattle, Freeze drying, Nigeria, Rinderpest, Tissue culture, Virus production.

4837-68
RINDERPEST IN TISSUE CULTURE. II. SERUM NEUTRALIZATION TESTS.
R H Johnson
Brit Vet J 118(4):133-140
Apr 1962 41.8 V643
Cattle, Nigeria, Rinderpest, Serum neutralization test, Tissue culture.

4838-68
BOVINE ANAPLASMOSIS: ITS DIAGNOSIS, TREATMENT AND CONTROL.
E W Jones W E Brock
Amer Vet Med Ass J 149(12):1624-1633, 49 REFS.
Dec 1966 41.8 AM3
Anaplasmosis, Cattle, Tetracycline.

4839-68
CATTLE LICE AND THEIR RELATION TO NUTRITION. PRELIMINARY OBSERVATIONS.
L D Jones
Cornell Vet 54:399-405, 18 REFS.
1964 41.8 C81
Anoplura, Cattle, Mucosal disease, Nutrition.

4840-68
THE STANDARDIZATION AND USE OF THE COMPLEMENT-FIXATION TEST FOR THE DIAGNOSIS OF BOVINE BRUCELLOSIS, WITH A REVIEW OF THE LITERATURE.
L M Jones J B Hendricks D T Berman
Amer J Vet Res 24(103):1143-1151, 61 REFS., 5 TABS.
Nov 1963 41.8 AM3A
Brucellosis, Cattle, Complement fixation, Diagnosis.

4841-68
VITAMIN A NUTRITION OF BEEF CATTLE FED CORN SILAGES.
H A Jordan G S Smith A L Neumann J E Zimmerman G W Breniman
J Anim Sci 22(3):738-745, 32 REFS., 5 TABS.
Aug 1963 49 J82
Beef cattle, Corn, Nutrition, Silage, Vitamin A.

4842-68
CHRONIC MURINE PNEUMONIA:A REVIEW.
N N Joshi A C Blackwood D G Dale
Can J Comp Med Vet Sci 25(11):267-273, 41 REFS.
Nov 1961 41.8 C162
Mice, Pneumonia, Rats.

4843-68
SEROLOGICAL STUDIES ON THE INCIDENCE OF BOVINE VIRUS DIARRHEA, INFECTIOUS BOVINE RHINOTRACHEITIS, BOVINE MYXOVIRUS PARAINFLUENZA-3, AND LEPTOSPIRA POMONA IN NEW YORK STATE.
R Kahrs G Atkinson J Baker L Carmichael L Coggins
J Gillespie P Langer V Marshall D Robson B Sheffy
Cornell Vet 54:360-369, 27 REFS., 4 TABS.
1964 41.8 C81
Bovine virus diarrhea virus, Dairy cattle, Infectious pustular vulvovaginitis, Leptospira, Myxovirus parainfluenza-3, New york, Serological tests.

4844-68
DIABETES MELLITUS IN A COW.
J J Kaneko E A Rhode
Amer Vet Med Ass J 144(4):367-373, 34 REFS. 4 TABS.
15 Feb 1964 41.8 AM3
Cattle, Diabetes.

4845-68
PETS AND SALMONELLA INFECTION.
A F Kaufmann
Amer Vet Med Ass J 149(12):1655-1661, 15 REFS., 2 TABS.
Dec 1966 41.8 AM3
Birds, Dogs, Public health, Salmonellosis, Turtles.

4846-68
USE OF THE PORTOCAVAL SHUNT IN THE TREATMENT OF ASCITES IN A DOG.
F Keefe M M Mason T Boria
Amer Vet Med Ass J 138(4):200-203, 30 REFS., 6 FIGS.
15 Feb 1961 41.8 AM3
Ascites, Dogs, Portocaval shunt.

4847-68
THE CHEMOTHERAPY OF FASCIOLIASIS.
S B Kendall J W Parfitt
Brit Vet J 118(1):1-10, BIBL. 10, TABS.
Jan 1962 41.8 V643
Carbon tetrachloride, Fascicliasis, Hexachloroethane, Sheep.

4848-68
CHARACTERIZATION OF A 12 S BRUCELLA AGGLUTININ FROM BOVINE MILK.
A J Kenyon R K Anderson R Jenness
Amer J Vet Res 24(101):730-734, 24 REFS., 2 TABS.
Jul 1963 41.8 AM3A
Agglutination, Cattle, Globulins.

4849-68
ALEUTIAN DISEASE IN THE FERRET.
A J Kenyon T Magnano C F Helmboldt L Buko
Amer Vet Med Ass J 149(7):920-923
Oct 1966 41.8 AM3
Aleutian disease, Vaccines, Wildlife.

4850-68
EXPERIMENTAL TRANSMISSION OF ALEUTIAN DISEASE WITH URINE.
A J Kenyon C F Helmboldt S W Nielsen
Amer J Vet Res 24(102):1066-1067, 6 REFS., 1 TAB.
Sep 1967 41.8 AM3A
Aleutian disease, Minks, Urine.

4851-68
COMPARISON OF LEPTOSPIRA POMONA BACTERIN AND ATTENUATED LIVE CULTURE VACCINE FOR CONTROL OF ABORTION IN CATTLE.
S G Kenzy R W H Gillespie J H Lee
Amer Vet Med Ass J 139(4):452-454, 15 REFS.
15 Aug 1961 41.8 AM3
Abortion, Cattle, Immunization, Leptospira pomona bacterins, Leptospirosis.

4852-68
VENIPUNCTURE OF SMALL BIRDS.
R E Kerlin
Amer Vet Med Ass J 144(8):870-874, 4 REFS.
15 Apr 1964 41.8 AM3
Birds, Blood analysis, Infectious diseases.

4853-68
GROWTH AND IDENTIFICATION OF FIELD STRAINS OF FOOT-AND-MOUTH DISEASE VIRUS IN GOAT KIDNEY CULTURES.
K S Khera S S Dhillon
Amer J Vet Res 24(98):187-192, 15 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Culture media, Foot-and-mouth disease virus, Goats, Kidneys.

4854-68
RELATIONSHIP OF PROGESTERONE TO PROLONGED GESTATION IN CATTLE.
G K Kiesel K M Autrey
Amer Vet Med Ass J 138(10):557-558, 2 TABS.
15 May 1961 41.8 AM3
Cattle, Pregnancy, Progesterone.

4855-68
DIABETES MELLITUS WITH PITUITARY NEOPLASMS IN A HORSE AND A DOG.
J M King J F Kavanaugh J Bentinck-Smith
Cornell Vet 52(1):133-145, 19 REFS.
Jan 1962 41.8 C81
Diabetes, Dogs, Horses, Neoplasms, Pituitary gland.

4856-68
VARIATIONS IN THE SIZE AND NUMBER OF FAT GLOBULES IN THE MILK OF DISEASED COWS.
J O I King
Brit Vet J 118(12):522
Dec 1962 41.8 V643
Cattle, Fats, Globules, Milk.

4857-68
EFFECT OF THREE SHIPPING FEVER BACTERINS ONBRUCELLA TITRES IN CATTLE.
N B King
Can J Comp Med Vet Sci 25(12):320
Dec 1961 41.8 C162
Bacterins, Brucellosis, Cattle, Shipping fever.
J.A.M.V.A. 139:678, 1961.

4858-68
EFFECT OF THREE SHIPPING FEVER BACTERINS ON BRUCELLA TITERS IN CATTLE.
N B King
Amer Vet Med Ass J 139(6):678-680, 12 REFS., 3 TABS.
15 Sep 1961 41.8 AM3
Brucella abortus antigens, Pasteurella antigens, Shipping fever, Shipping fever bacterins.

4859-68
EFFECT OF AGE ON RESISTANCE AND RETENTION OF TITER IN CATTLE VACCINATED WITH STRAIN 19 BRUCELLA ABORTUS VACCINE.
N B King Frank
Amer Vet Med Ass J 139(1):100-103, 8 REFS.
01 Jul 1961 41.8 AM3
Brucella abortus vaccines, Brucellosis, Cattle, Immunization.

4860-68
DEALING WITH POISONOUS PLANTS.
J M Kingsbury
Amer Vet Med Ass J 140(9):954-957, 72 REFS.
01 May 1962 41.8 AM3
Feeding, Plant geography, Poisonous plants.

4861-68
RECOVERY OF A BAT FROM EXPERIMENTALLY INDUCED RABIES.
C H Kitselman
Amer Vet Med Ass J 144(10):1113-1114, 2 REFS.
01 May 1964 41.8 AM3
Rabies, Rats.

4862-68
ESCHERICHIA COLI INFECTIONS IN CAPTIVE WILD CATS.
J V Klavins D B Hackel T D Kinney W Wendt
Amer Vet Med Ass J 140(10):1086-1088, 7 REFS., 1 TAB.
15 May 1962 41.8 AM3
Cats, Escherichia infection, Tissue culture.

4863-68
CARDIAC ARREST IN CANINE PRACTICE.
J M Kling A W Bahn R D Borne
Can J Comp Med Vet Sci 25(6):157-160, 11 REFS.
Jun 1961 41.8 C162
Dogs, Heart failure, Hemostasis.

4864-68
TELAZIASIS IN CATS AND DOGS- A CASE REPORT.
S E Knapp B B Bailey D E Bailey
Amer Vet Med Ass J 138(10):537-538
15 May 1961 41.8 AM3
Cats, Dogs, Nematodes, Thelazia, Thelaziasis.

4865-68
SEMINOMA IN THE STALLION. A CLINICAL, CYTOLOGICAL AND PATHOLOGICOANATOMICAL INVESTIGATION.
O. Knudsen B. Schutz
Cornell Vet 53:395-403, 11 REFS., 4 FIGS.
1963 41.8 C81
Horses, Seminoma, Testicular tumors.

4866-68
A METHOD UTILIZING MORPHINE AS AN INDICATOR OF AN ALTERATION IN THE BLOOD-BRAIN BARRIER.
A Koestner
Cornell Vet 52(2):191-199, 25 REFS., 3 TABS.
Apr 1962 41.8 C81
Blood-brain barrier, Morphine, Toxoplasmosis.

4867-68
PROPHYLAXIS OF DIARRHEA IN NEWBORN PIGS.
E M Kohler E H Bohl
Amer Vet Med Ass J 144(11):1294-1297, 5 REFS., 4 TABS.
01 Jun 1964 41.8 AM3
Baby pigs, Chloramphenicol, Diarrhea, Escherichia coli bacterin, Neomycin.

4868-68
EDEMA DISEASE OF SWINE. I. STUDY OF HAEMOLYTIC ESCHERICHIA COLI STRAINS ISOLATED FROM CASES OF EDEMA DISEASE OF SWINE IN WESTERN CANADA.
T Kramer
Can J Comp Med Vet Sci 24(10):289-294, 19 REFS., 4 TABS.
Oct 1960 41.8 C162
Canada, Edema, Escherichia coli bacterins, Swine.

4869-68
A SEROLOGIC SURVEY OF LEPTOSPIRA ANTIBODIES IN AN URBAN CANINE POPULATION.
E M Kravis D Ivler
Amer Vet Med Ass J 138(1):24-26, 3 TABS.
01 Jan 1961 41.8 AM3
Antibodies, Cattle, Dogs, Leptospira, Leptospira pomona bacterins, Swine.

4870-68
MORPHOLOGIC, ANTIGENIC, AND PATHOGENIC CHARACTERISTICS OF EPERYTHROZOON OVIS AND EPERYTHROZOON WENYONI.
J P Kreier M Ristic
Amer J Vet Res 24(100):488-500, 13 REFS., 3 TABS.
May 1963 41.8 AM3A
Anemia, Complement fixation, Electron microscopy, Eperythrozoonosis, Fluorescent antibody technic.

4871-68
ANAPLASMOSIS. VIII. EXPERIMENTAL ANAPLASMA OVIS INFECTION WHITE-TAILED DEER (DAMA VIRGINIANA).
J P Kreier M Ristic
Amer J Vet Res 24(100):567-572, 8 REFS.
May 1963 41.8 AM3A
Anaplasmosis, Blood, Sheep, Wildlife.

4872-68
THE DESIGN OF A THERAPEUTIC TRIAL ON BOVINE KETOSIS.
D S Kronfeld
Amer Vet Med Ass J 149(12):1610-1616, 55 REFS., 3 TABS.
Dec 1966 41.8 AM3
Cattle, Ketosis.

4873-68
SIMIAN BONE DISEASE--A SECONDARY HYPERPARATHYROIDISM.
L Krook R B Barrett
Cornell Vet 52(4):459-492, 64 REFS., 2 TABS.
Oct 1962 41.8 C81
Bone diseases, Hyperparathyrcidism.

4874-68
NUTRITIONAL SECONDARY HYPERPARATHYROIDISM IN THE CAT.
L Krook R B Barrett K Usui R E Wolke
Cornell Vet 53:224-240, 31 REFS., 10 FIGS., 2 TABS.
1963 41.8 C81
Cats, Hyperparathyroidism, Osteitis fibrosa.

4875-68
CENTRAL NERVOUS SYSTEM LESIONS IN DOGS WITH METASTASIZING ISLET CELL CARCINOMA.
L Krook R M Kenney
Cornell Vet 52(3):385-415, 41 REFS.
Jul 1962 41.8 C81
Carcinoma, Central nervous system, Dogs.

4876-68
THE DIAGNOSTIC VALUE OF TRANSAMINASE AND CHOLINESTERASE DETERMINATIONS IN HEPATIC DISEASES OF DOMESTIC ANIMALS.
F Kutas F Karsai
Can J Comp Med Vet Sci 25(11):276
Nov 1961 41.8 C162
Aminotransferases, Cattle, Cholinesterases, Dogs, Horses, Liver diseases.
Acta Veterinaria 11:277, 1961.

4877-68
THE INTRANASAL NEWCASTLE DISEASE VACCINATION OF CHICKS FROM IMMUNE PARENTS.
J E Lancaster M Merriman A A Rienzi
Can J Comp Med Vet Sci 24(2):14-18, 20 REFS.
Feb 1960 41.8 C162
Chicks, Immunization, Newcastle disease, Passive immunity.

4878-68
OBSERVATIONS ON HATCHERY SANITATION.
J E Lancaster D M Cooper H Gasperdone A J Darbey
Can J Comp Med Vet Sci 24(3):9-13, 7 REFS.
Mar 1960 41.8 C162
Aspergillus, Formaldehyde, Omphalitis, Salmonella bacterins.

4879-68
OBSERVATIONS ON THE SPREAD OF PLEUROPNEUMONIA-LIKE ORGANISMS OF CHICKENS.
J L Lancaster J N Goswami A A Rienzi
Can J Comp Med Vet Sci 24(1):16-20,25-26, 14 REFS.
Jan 1960 41.8 C162
Chickens, Chronic respiratory disease, Pleuropneumonia-like organisms.

4880-68
SYSTEMIC TREATMENT OF VIBRIO FETUS-INFECTED BULLS.
R B Lank C L Seger H E Levy
Amer Vet Med Ass J 139(12):1316-1318, 11 REFS.
15 Dec 1961 41.8 AM3
Bulls, Dyhydrostreptomycin, Vibrio fetus, Vibriosis.

4881-68
AN EXTENDED STUDY OF A HERD OF CATTLE NATURALLY INFECTED WITH JOHNE S DISEASE. I. THE SIGNIFICANCE OF THE INTRA-DERMIC JOHNIN TEST.
A B Larsen T H Vardaman R S Merkal
Amer J Vet Res 24(98):91-93, 3 REFS., 2 TABS.
Jan 1963 41.8 AM3A
Cattle, Johne s disease, Johnin test.

4882-68
AN EXTENDED STUDY OF A HEARD OF CATTLE NATURALLY INFECTED WITH JOHNE S DISEASE. 11.THE SIGNIFICANCE OF THE COMPLEMENT-FIXATION TEST.
A B Larsen T H Vardaman R S Merkal
Amer J Vet Res 24(102):948-950, 7 REFS., 2 TABS.
Sep 1963 41.8 AM3A
Blood analysis, Cattle, Johne s disease.

4883-68
A SIMPLE METHOD FOR BONE MARROW ASPIRATION IN THE COW.
W C Lawrence W W Nichols K P Altera
Cornell Vet 52(3):297-305, 10 REFS.
Jul 1962 41.8 C81
Bone marrow, Cattle, Leukemia.

4884-68
EFFECT OF INORGANIC MOLYBDENUM AND TYPE OF ROUGHAGE ON THE BOVINE.
A L Lesperance V R Bohman
J Anim Sci 22(3):686-694, 35 REFS., 4 TABS.
Aug 1963 49 J82
Cattle, Metabolism, Molybdenum, Roughage.

4885-68
EFFECT OF LEPTOSPIRA POMONA ON THE REPRODUCTIVE EFFICIENCY OF CATTLE.
D R Lingard L E Hanson
Amer Vet Med Ass J 139(4):449-451
15 Aug 1961 41.8 AM3
Cattle, Leptospira pomona, Reproductive efficiency.

4886-68
THE ANTHELMINTIC ACTIVITY OF O,O-DIMETHYL-O,1,2-DIBROMO-2,2-DICHLOROETHYL PHOSPHATE FOR CANINE ASCARIDES AND HOOKWORMS.
A M Linsdey A I Goldsby D L Ferguson W F Kuebler Jr
Cornell Vet 54:218-229, 6 REFS., 4 FIGS., 3 TABS.
1964 41.8 C81
Ancylostomatidae, Anthelmintics, Canine ascarides, Dimethyl-O,1,2-dibromo-2,2-dichloroethyl phosphate, O,O-, Dogs.

4887-68
CRIBBING COW RESPONDS TO HYPOGLYCEMIA THERAPY.
M L Livingston
Amer Vet Med Ass J 140(4):347
15 Feb 1962 41.8 AM3
Holstein-friesian cattle, Hypoglycemia, Prednisolone.

4888-68
A SCLERODERMA-LIKE SYNDROME IN A DOG.
L H Lord
Amer Vet Med Ass J 138(9):499-502
01 May 1961 41.8 AM3
Alphadol, Cortisone acetate, Dermathysin, Dogs, Scleroderma, Sulfathiazole, Thyroid extract.

4889-68
SURGICAL REMOVAL OF EQUINE UROLITHS VIA THE LAPAROCYSTOTOMY APPROACH.
J. E. Lowe
Amer Vet Med Ass J 139(3):345-348, 9 REFS.
01 Aug 1961 41.8 AM3
Cystic calculi, Horses, Laparocystotomy, Uroliths.

4890-68
ABNORMAL LEUKOCYTES IN BOVINE TRAUMATIC GASTRITIS.
A J Luedke J F Hokanson
Amer Vet Med Ass J 138(9):487-492, 14 REFS., 4 TABS.
01 May 1961 41.8 AM3
Cattle, Foreign bodies, Gastritis, Leukocytes, Rumenotomy.

4891-68
THE PROPHYLACTIC USE OF BLOOD IN COLIBACILLOSIS (WHITE SCOURS) OF CALVES.
D W MacDonald G A Oakley
Can J Comp Med Vet Sci 25(8):199
Aug 1961 41.8 C162
Blood, Calves, Colibacillosis, Immunity.
The Veterinary record 73415, 1961

4892-68
THE ADSORPTION OF SOMATIC ANTIGENS OF SALMONELLA BY POLYSTYRENE LATEX PARTICLES.
S E Magwood E Annau
Can J Comp Med Vet Sci 25(3):69-73, 10 REFS., 1 TAB.
Mar 1961 41.8 C162
Antigens, Salmonella bacterins, Styrene polymers.

4893-68
ABORTIONS ASSOCIATED WITH MYCOTIC LESIONS OF THE PLACENTA IN MARES.
L W Mahaffey N M Adam
Amer Vet Med Ass J 144(1):24-32, 10 REFS.
01 Jan 1964 41.8 AM3
Abortion, Aspergillosis, Horses, Placenta, Predaceous fungi.

4894-68
SOME OBSERVATIONS ON ANAPLASMOSIS.
W D Malherbe
Cornell Vet 53:71-77, 23 REFS.
1963 41.8 C81
Anaplasmosis, Cattle, Insect vectors, South africa.

4895-68
EFFECTS OF METHIONINE AND ESTROGEN ON HEMORRHAGES INDUCED BY FEEDING OF IRRADIATED BEEF.
O P Malhotra E F Reber H W Norton
Cornell Vet 54:370-382, 32 REFS., 3 TABS.
1964 41.8 C81
Hemorrhagic diathesis, Irradiated meat, Methionine, Prothrombin.

4896-68
A STUDY OF INFECTIOUS BRONCHITIS VIRUS BEFORE AND AFTER RESIN TREATMENT FOR SEPARATION FROM A CELL-ATTACHMENT-AND-GROWTH FACTOR.
V H Mallman C H Cunningham
Amer J Vet Res 24(99):359-366, 33 REFS., 1 TAB.
Mar 1963 41.8 AM3A
Chickens, Infectious bronchitis, Resins.

4897-68
SEROLOGIC AND IMMUNOLOGIC STUDIES WITH AFRICAN SWINE FEVER VIRUS.
W A Malmquist
Amer J Vet Res 24(100):450-459, 19 REFS., 11 TABS.
May 1963 41.8 AM3A
African swine fever virus, Culture media, Immunology.

4898-68
ANAPLASMOSIS. XIV. THE ISOLATION AND CHARACTERIZATION OF AN AUTOHEMAGGLUTININ.
D K Mann M Ristic
Amer J Vet Res 24(101):709-712, 20 REFS.
Jul 1963 41.8 AM3A
Anaplasmosis, Beta globulins, Cattle, Hemagglutination.

4899-68
ANAPLASMOSIS. XIII. STUDIES CONCERNING THE NATURE OF AUTOIMMUNITY.
D K Mann M Ristic
Amer J Vet Res 24(101):703-708, 18 REFS., 2 TABS.
Jul 1963 41.8 AM3A
Anaplasmosis, Calves, Hemagglutination, Immunity.

4900-68
SALMONELLA TYPES FOUND IN THE MESENTERIC LYMPH NODES OF VARIOUS DOMESTIC ANIMALS.
P H Mann
Cornell Vet 53:392-395, 20 REFS., 1 TAB.
1963 41.8 C81
Cattle, Lymph nodes, Salmonella, Sheep, Swine.

4901-68
SALMONELLA ORGANISMS FOUND IN HEALTHY HORSES AT SLAUGHTER.
P H Mann C Cavrini P Pieracci
Cornell Vet 54:495-500, 22 REFS., 1 TAB.
1964 41.8 C81
Horses, Italy, Public health, Salmonella.

4902-68
COLONY HUSBANDRY OF THE MONKEY.
P Marois G Boulay E di Franco
Can J Comp Med Vet Sci 25(11):291-295, 11 REFS.
Nov 1961 41.8 C162
Feeding, Monkeys, Sanitation, Surgery.

4903-68
STUDIES ON HERPESVIRUS SIMIAE (B-VIRUS). CELL SURFACE REACTION TO INFECTION.
J Mathews D A Buthala
Cornell Vet 53:481-494, 3 REFS., 6 FIGS.
1963 41.8 C81
Cell surface viral reactions, Electron microscopy, Herpesvirus simiae, Herpesviruses.

4904-68
MAJOR ZOONOSES OF PRIMATES.
S F Mattingly
Amer Vet Med Ass J 149(12):1677-1680, 10 REFS., 1 TAB.
Dec 1966 41.8 AM3
Monkeys, Zoonoses.

4905-68
AFRICAN HORSE-SICKNESS.
F D Maurer
Amer Vet Med Ass J 138(1):15-16
01 Jan 1961 41.8 AM3
African horse sickness, Asses, Culicoides, Horses, Mules.

4906-68
THE VIRUS OF INFECTIOUS BOVINE RHINOTRACHEITIS AS A CAUSE OF ABORTION IN CATTLE.
D G Mc Kercher E M Wada
Amer Vet Med Ass J 144(2):136-142, 9 REFS.
15 Jan 1964 41.8 AM3
Abortion, Dairy cattle, Infectious bovine rhinotracheitis virus.

4907-68
EXTRACTIONS OF SOLUBLE ANTIGENS OF VIBRIO FETUS AND THEIR DEMONSTRATION BY CELLULOSE ACETATE ELECTROPHORESIS AND OUCHTERLONY AGAR DIFFUSION.
J K McBride G W Robertstad
Amer J Vet Res 25(109):1763-1768, 12 REFS
Nov 1964 41.8 AM3A
Antibodies, Vibrio.

4908-68
APPLICATION OF CANINE DISTEMPER IMMUNIZATION BY THE PRACTITIONER.
R B McClelland
Amer Vet Med Ass J 149(12):1761-1762
Dec 1966 41.8 AM3
Canine distemper, Canine distemper vaccines, Immunization.

4909-68
CYCLOPHOSPHAMIDE THERAPY IN LYMPHOMA OF THE DOG.
R B McClelland
Cornell Vet 53:319-322, 2 REFS., 3 TABS.
1963 41.8 C81
Cyclophosphamide, Dogs, Lymphoma.

4910-68
THE TREATMENT OF MASTOCYTOMAS IN DOGS.
R B McClelland
Cornell Vet 54:517-519, 1 REF., 4 TABS.
1964 41.8 C81
Dogs, Postsurgical radiation, Surgery, X-rays.

4911-68
PLAQUE FORMATION BY EQUINE RHINOPNEUMONITIS VIRUS ON MONOLAYER CELL CULTURES OF EQUINE, OVINE, AND PORCINE KIDNEYS.
W H McCollum E R Doll J C Wilson C B Johnson
Cornell Vet 52(4):534-542, 6 REFS.
Oct 1962 41.8 C81
Equine rhinopneumonitis virus, Tissue culture.

4912-68
ISOLATION AND PROPAGATION OF EQUINE RHINOPNEUMONITIS VIRUS IN PRIMARY MONOLAYER KIDNEY CELL CULTURES OF DOMESTIC ANIMALS.
W H McCollum E R Doll J C Wilson C B Johnson
Cornell Vet 52(2):164-173, 21 REFS., 2 TABS.
Apr 1962 41.8 C81
Equine rhinopneumonitis, Horses, Tissue culture.

30 4913-68

4913-68
ISOLATION AND PROPAGATION OF EQUINE ARTERITIS VIRUS IN MONOLAYER CELL CULTURES OF RABBIT KIDNEY.
W H McCollum E R Doll J C Wilson J Cheatham
Cornell Vet 52(4):452-458, 6 REFS., 1 TAB.
Oct 1962 41.8 C81
Equine influenza, Horses, Tissue culture.

4914-68
SEROLOGIC SURVEY OF TOXOPLASMOSIS IN IOWA DOMESTIC ANIMALS.
W F McCulloch B G Foster J L Braun
Amer Vet Med Ass J 144(3):272-275, 22 REFS. 1 TABS.
01 Feb 1964 41.8 AM3
Baby pigs, Cats, Cattle, Dogs, Horses, Sheep, Toxoplasmosis.

4915-68
GROWTH OF AUJESZKY S VIRUS IN RABBITS AND TISSUE CULTURE.
J B McFerran C Dow
Brit Vet J 118(9):386-389
Sep 1962 41.8 V643
Kidneys, Pseudorabies, Rabbits, Swine, Tissue culture.

4916-68
DISTRIBUTION AND PERSISTANCE OF INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS IN EXPERIMENTALLY INFECTED CATTLE.
D G McKercher E M Wada O C Straub
Amer J Vet Res 24(100):510-514, 4 REFS., 1 TAB.
May 1963 41.8 AM3A
Calves, Eyes, Infectious bovine rhinotracheitis virus, Respiratory system.

4917-68
A COMPARATIVE STUDY OF A STRAIN OF MYXOVIRUS FROM CATTLE IN CALIFORNIA AFFECTED WITH SHIPPING FEVER WITH AMERICAN AND EUROPEAN STRAINS OF PARAINFLUENZA 3 VIRUS.
D G McKercher
Cornell Vet 53:262-269, 7 REFS., 1 TAB.
1963 41.8 C81
Cattle, Myxoviruses, Parainfluenza-3 virus, Shipping fever.

4918-68
LEPTOSPIROSIS IN WILD ANIMALS IN EASTERN CANADA WITH PARTICULAR ATTENTION TO THE DISEASE IN RATS.
J A McKiel J G Cousineau R R Hall
Can J Comp Med Vet Sci 25(1):15-18, 4 REFS., 3 TABS.
Jan 1961 41.8 C162
Antibodies, Leptospirosis, Serodiagnosis, Wildlife.

4919-68
FURTHER OBSERVATIONS ON THE RELATIONSHIP OF BLOAT IN CATTLE TO RESPIRATORY INHIBITION IN VITRO BY ALFALFA SAPONINS.
S A McNairy Jr G D Goetsch B W Hatcher H D Jackson
J Anim Sci 22(1):61-65, 16 REFS., 5 TABS.
Feb 1963 49 J82
Alfalfa, Bloat, Cattle, Saponins.

4920-68
A CASE OF CHRONIC GRANULOCYTIC LEUKEMIA WITH THROMBOCYTOPENIC PURPURA IN A DOG.
W Medway J P Rapp
Cornell Vet 52(2):247-264, 18 REFS., 1 TAB.
Apr 1962 41.8 C81
Dogs, Leukemia, Purpura hemorrhagica.

4921-68
CLINICAL JAUNDICE IN A DOLPHIN.
W Medway H F Schryver B Bell
Amer Vet Med Ass J 149(7):891-895, 5 REFS., 4 TABS.
Oct 1966 41.8 AM3
Jaundice, Wildlife.

4922-68
TRANSMISSION OF CVINE VIRAL ABORTION.
W A Meinershagen F W Frank L H Scrivner
Amer Vet Med Ass J 140(5):448-449, 7 REFS., 1 TAB.
01 Mar 1962 41.8 AM3
Abortion, Lambs, Miyagawanella group viruses.

4923-68
ERYTHROMYCIN FOR THE PROPHYLACTIC CONTROL OF DIARRHEA IN NEWBORN PIGS.
B D Mell V K Singh R F Baker
Amer Vet Med Ass J 144(9):1020-1023, 14 REFS.
01 May 1964 41.8 AM3
Baby pigs, Colibacillosis, Erythromycin.

4924-68
EXPERIMENTAL RESEARCH ON THE VALUE OF TEMPORARY PARTIAL PROSTHESIS IN PNEUMECTOMY.
D P Milicevic M N Stanic B B Dimitrijevic B B Misic
Brit Vet J 118(4):127-132
Apr 1962 41.8 V643
Carcinoma, Dogs, Lungs, Pneumectomy, Prosthesis.

4925-68
DIETHYLSTILBESTEROL AS A CONTAMINANT IN MINK FEEDING.
J Mills
Can J Comp Med Vet Sci 25(8):205-210, 13 REFS., 3 TABS.
Aug 1961 41.8 C162
Abortion, Feed, Minks, Sterility.

4926-68
LEPTOSPIROSIS IN CANADA. V. INFECTION IN CATTLE WITH A SEROTYPE OF THE HEBDOMADIS GROUP.
D Mitchell P Boulanger A N Smith G L Bannister
Can J Comp Med Vet Sci 24(8):229-234, 13 REFS.
Aug 1960 41.8 C162
Canada, Leptospira, Leptospirosis.

4927-68
DEVELOPMENT AND ETHER SENSITIVITY OF INFECTIOUS BRONCHITIS VIRUS OF CHICKENS.
S B Mohanty S C Chang
Amer J Vet Res 24(101):822-826, 6 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Chickens, Ethers, Infectious bronchitis virus.

4928-68
PLACENTAL PATHOLOGY.III. PLACENTAL LESIONS OF SHEEP EXPERIMENTALLY INFECTED WITH BRUCELLA ABORTUS.
J A Molello R Jensen J R Collier J C Flint
Amer J Vet Res 24(102):915-921, 14 REFS., 3 TABS.
Sep 1963 41.8 AM3A
Brucellosis, Placenta, Sheep.

4929-68
PLACENTAL PATHOLOGY. I. PLACENTAL LESIONS OF SHEEP EXPERIMENTALLY INFECTED WITH BRUCELLA CVIS.
J A Molello R Jensen J C Flint J R Collier
Amer J Vet Res 24(102):897-903, 14 REFS., 3 TABS.
Sep 1963 41.8 AM3A
Placenta, Sheep.

4930-68
PLACENTAL PATHOLOGY. II. PLACENTAL LESIONS OF SHEEP EXPERIMENTALLY INFECTED WITH BRUCELLA MELITENSIS.
J A Molello J C Flint J R Collier R Jensen
Amer J Vet Res 24(102):905-911, 8 REFS., 3 TABS.
Sep 1963 41.8 AM3A
Brucellosis, Placenta, Sheep.

4931-68
BIOLOGIC CHARACTERISTICS OF CERTAIN BOVINE ENTERIC VIRUSES.
T Moll M I Ulrich
Amer J Vet Res 24(100):545-550, 26 REFS., 5 TABS.
May 1963 41.8 AM3A
Culture media, Enteroviruses.

4932-68
FOOT ROT AND A MUCOSAL-TYPE DISEASE CAUSED BY CHORIOPTES BOVIS.
W S Monlux E S Raun S J Diesch J A Hunt
Amer Vet Med Ass J 138(7):379-381, 3 FIGS.
01 Apr 1961 41.8 AM3
Arthropoda, Cattle, Chorioptes, Fertilizers, Foot rot (animals), Mange, Mites, Mucosal disease.

4933-68
GROWTH OF NEWCASTLE DISEASE VIRUS IN CELL CULTURES DERIVED FROM SWINE EMBRYO LYMPH NODES.
L G Morehouse D P Gustafson H E Moses
Amer J Vet Res 24(100):588-593, 17 REFS., 3 TABS.
May 1963 41.8 AM3A
Lymph nodes, Newcastle disease virus, Swine, Tissue culture.

4934-68
NEWCASTLE DISEASE VIRUS IN TISSUE CULTURE CELLS DERIVED FROM CHICKENS.
L G Morehouse H E Moses D P Gustafson
Amer J Vet Res 24(100):580-587, 12 REFS., 1 TAB.
May 1963 41.8 AM3A
Chickens, Newcastle disease virus, Tissue culture.

4935-68
TETANUS IN CATTLE.
D A Morrow
Cornell Vet 53:445-449, 6 REFS.
1963 41.8 C81
Cattle, Mephensin, Perphenazine, Tetanus, Tetanus antitoxin.

4936-68
TBE CAUSAL AGENT OF SCRAPIE. II. EXTRACTION OF THE AGENT FROM INFECTED GOAT TISSUE.
D L Mould W Smith
J Comp Pathol 72(1):106-112, 7 REFS.
Jan 1962 41.8 J82
Brain extracts, Goats, Scrapie, Sheep.

4937-68
TBE CAUSAL AGENT OF SCRAPIE. I. EXTRACTION OF AN AGENT FROM INFECTED SHEEP TISSUE.
D L Mould W Smith
J Comp Pathol 72(1):97-105, 14 REFS.
Jan 1962 41.8 J82
Brain, Brain extracts, Scrapie virus, Sheep.

4938-68
PATHOLOGY OF BLUETONGUE OF SHEEP IN CALIFORNIA.
J E Moulton
Amer Vet Med Ass J 138(9):493-498, 22 REFS., 4 FIGS.
01 May 1961 41.8 AM3
Arthropoda, Bluetongue, Bluetongue virus, Sheep.

4939-68
PULMONARY EMPHYSEMA IN CATTLE.
J E Moulton J B Harrold M A Horning
Amer Vet Med Ass J 139(6):669-677, 16 REFS., 6 FIGS.
15 Sep 1961 41.8 AM3
Cattle, Pulmonary emphysema.

4940-68
ATTEMPTS TO INDUCE NEOPLASIA IN VITRO WITH SHOPE PAPILLOMA VIRUS.
J E Moulton D Lau
Cornell Vet 54:602-612, 18 REFS.
1964 41.8 C81
Neoplastic diseases, Oncogenic viruses,
Rabbit papilloma virus, Rabbits.

4941-68
PHYSIOLOGIC RESPONSES OF SWINE TO HIGH CONCENTRATIONS OF INHALED CARBON DIOXIDE.
C H Mullenax R W Dougherty
Amer J Vet Res 24(99):329-332, 6 REFS., 2 TABS.
Mar 1963 41.8 AM3A
Asphyxia, Blood pressure, Carbon dioxide, Swine.

4942-68
STUDIES ON THE PATHOGENICITY OF PASTEURELLA MULTOCIDA FOR MICE AND CHICKENS ON THE BASIS OF O-GROUPS.
M Murata T Horiuchi S Namioka
Cornell Vet 54:293-307, 12 REFS., 3 TABS., 9 FIGS.
1964 41.8 C81
Chickens, Mice, Pasteurella, Pathogenicity.

4943-68
RESUSCITATION- A NEW METHOD AND A NEW INVENTION.
D A Murphy
Can J Comp Med Vet Sci 25(9):228-229, 5 REFS.
Sep 1961 41.8 C162
Heart failure, Respirators, Resuscitation.

4944-68
ANTIGENIC SUBSTANCES ISOLATED FROM FILTRATES OF VIBRIO FETUS BROTH CULTURES.
G Nageswararao H Blobel
Amer J Vet Res 24(103):1313-1320, 18 REFS.
Nov 1963 41.8 AM3A
Culture media, Electrophoresis, Vibrio fetus bacterins.

4945-68
STUDIES ON THE PATHOGENICITY OF ESCHERICHIA COLI.II. THE EFFECT OF A SUBSTANCE OBTAINED FROM PSEUDOEOSINOPHILS OF RABBITS ON THE ORGANISM.
S Namioka M Murata
Cornell Vet 52(3):289-296, 4 REFS., 2 TABS.
Jul 1962 41.8 C81
Bacteria, Rabbits.

4946-68
SEROLOGICAL STUDIES ON PASTEURELLA MULTOCIDA. IV. TYPE DISTRIBUTION OF THE ORGANISMS ON THE BASIS OF THEIR CAPSULE AND O GROUPS.
S Namioka D W Bruner
Cornell Vet 53:41-53, 14 REFS., 5-TABS.,
1963 41.8 C81
Cattle, Fowl cholera, Pasteurella bacterins, Pasteurellosis, Serological tests.

4947-68
THE ENHANCING EFFECT OF SWINE LUNGWORMS ON SWINE INFLUENZA INFECTIONS.
D P Nayak G W Kelley N R Underdahl
Cornell Vet 54:160-175, 28 REFS., 2 FIGS
1964 41.8 C81
Lungworms, Swine, Swine influenza.

4948-68
IODINE CONTENT OF COW S MILK AND ENDEMIC GOITRE.
S Nemeth V Stolc R Stukovsky
Can J Comp Med Vet Sci 25(10):247, 5 REFS.
Oct 1961 41.8 C162
Dairy cattle, Goiter, Iodine, Milk.

4949-68
EFFECT OF VITAMIN B 12 DEFICIENCY AND EXCESS ON THE EMBRYONIC DEVELOPMENT OF THE RAT.
P M Newberne
Amer J Vet Res 24(103):1304-1311, 12 REFS., 2 TABS.
Nov 1963 41.8 AM3A
Deficiency diseases, Rats.

4950-68
THE REDUCTION OF THE MICROFLORA OF MILKING MACHINE INFLATIONS BY TEAT DIPPING AND TEAT CUP PASTEURIZATION.
F H S Newbould D A Barnum
Can J Comp Med Vet Sci 25(6):141
Jun 1961 41.8 C162
Bacteria, Dairy cattle, Dipping, Milking machines, Pasteurization, Teats.
Journal of Milk and Food Technology, Dec.,1960, P.374-376, Vol. 23, No. 12

4951-68
RESULTS OF FIELD TRIALS AND CONTROLLED LABORATORY STUDIES ON BOVINE VIBRIOSIS BACTERINS.
J H Newhall
Amer Vet Med Ass J 149(12):1643-1646, 2 REFS., 2 TABS.
Dec 1966 41.8 AM3
Cattle, Immunization, Vibrio fetus bacterins.

4952-68
CANINE PERIANAL GLAND TUMORS.
S W Nielsen J Aftosmis
Amer Vet Med Ass J 144(2):127-135, 19 REFS.
15 Jan 1964 41.8 AM3
Dogs, Glands (animals), Neoplasms.

4953-68
DIAGNOSIS AND TREATMENT OF POISONING IN DOGS.
K H Niemeyer
Amer Vet Med Ass J 149(12):1726-1728, 1 REF.
Dec 1966 41.8 AM3
Arsenic, Atropine, Blood transfusions, Cathartics, DDT , Dogs, Parathion, Poisoning, Sodium bicarbonate, Thallium, Warfarin.

4954-68
CANINE MAMMARY ADENOCARCINOMA WITH METASTASIS TO BONE-A CASE REPORT.
R M Nims E E Dean R G Geil
Amer Vet Med Ass J 138(2):87-89, 6 FIGS.
15 Jan 1961 41.8 AM3
Adenocarcinoma, Dogs, Metastasis.

4955-68
OSTEODYSTROPHIC DISEASES OF SHEEP. I. AN OSTEOPOROTIC CONDITION OF HOGGS KNOWN AS DOUBLE SCALP OR CAPPI.
D I Nisbet E J Butler C C Bannatyne J M Robertson
J Comp Pathol 72(3):270-280, 23 REFS.
Jul 1962 41.8 J82
Bones, Cappi, Deficiency diseases, Osteodystrophy, Osteoporosis, Scotland, Sheep.

4956-68
IMMUNOGENICITY OF A GAMMA-IRRADIATED BRUCELLA MELITENSIS VACCINE IN MICE.
H. Nishihara T H Ahn G V Taplin C M Carpenter
Cornell Vet 54:573-583, 20 REFS., 5 TABS.
1964 41.8 C81
Brucella, Cattle, Immunization.

4957-68
AN ANTIGEN-FIXATION TEST FOR THE SERODIAGNOSIS OF LISTERIA MONOCYTOGENES INFECTIONS.
A Njoku-Obi
Cornell Vet 52(3):415-430, 14 REFS., 6 TABS.
Jul 1962 41.8 C81
Antigens, Listeriosis, Serodiagnosis.

30 4958-68

4958-68
ANTIGENIC SUBSTANCES PURIFIED FROM STREPTOCOCCUS AGALACTIAE. I. ANTIBODY RESPONSE IN INFECTED CATTLE.
N L Norcross
Cornell Vet 53:301-308, 12 REFS., 3 FIGS.
1963 41.8 C81
Cattle, Immunization, Mastitis, Streptococcus.

4959-68
HOST-PARASITE RELATIONS IN INITIATION OF INFECTION II. HYPERGLYCEMIA AND STRESS IN EXPERIMENTAL INFECTION WITH L. MONOCYTOGENES.
O S Nordland
Can J Comp Med Vet Sci 24(2):19-22,27-40, 17 REFS., 13 TABS.
Feb 1960 41.8 C162
Host-parasite relations, Hyperglycemia, L.Monocytogenes.

4960-68
HYDROGEN SULPHIDE POISONING IN SWINE.
J G O Donoghue
Can J Comp Med Vet Sci 25(9):217-219, 6 REFS., 1 TAB.
Sep 1961 41.8 C162
Hydrogen sulfide, Poisoning, Swine.

4961-68
IRON TOXICITY IN THE YOUNG PIG.
P B O Donovan R A Pickett M E Plumlee W M Beeson
J Anim Sci 22(4):1075-1080, 15 REFS., 7 TABS.
Nov 1963 49 J82
Baby pigs, Feed toxicity, Iron.

4962-68
HYBRIDIZATION OF THE CHICKEN AND TURKEY.
M W Olsen
Amer Vet Med Ass J 140(7):699-700, 2 REFS.
01 Apr 1962 41.8 AM3
Breeding, Chickens, Turkeys.

4963-68
INCIDENCE OF BOVINE CUTANEOUS PAPILLOMATOSIS IN BEEF CATTLE.
C Olson A J Levore D F Brobst
Amer Vet Med Ass J 140(1):50-52, 5 REFS., 5 TABS.
01 Jan 1962 41.8 AM3
Cattle, Papilloma.

4964-68
THE ISOLATION OF A VIRULENT STRAIN OF PASTEURELLA MULTOCIDA FROM AN APPARENTLY HEALTHY BUFFALO.
A R Omar C Phee Phay C S Shanta
Brit Vet J 118(2):71-73
Feb 1962 41.8 V643
Buffaloes, Pasteurella bacterins.

4965-68
MYASTHENIA GRAVIS IN A COCKER SPANIEL.
A N Ormrod
Can J Comp Med Vet Sci 25(8):197
Aug 1961 41.8 C162
Cocker spaniel dogs, Myasthenia gravis, Neostigmine.
The Veterinary Record, 73489, 1961

4966-68
COMBINED THERAPY WITH VITAMIN E AND SELENITE IN EXPERIMENTAL NUTRITIONAL MUSCULAR DYSTROPHY OF PIGS.
K Orstadius G Nordstrom N Lanner
Cornell Vet 53:60-71, 14 REFS., 1 TAB., 5 FIGS.
1963 41.8 C81
Muscular dystrophy, Selenite, Swine, Vitamin e.

4967-68
VIBRIO FETUS TOXIN. I. HYPERSENSITIVITY AND ABORTIFACIENT ACTION.
J C Osborne R M Smibert
Cornell Vet 54:561-572, 17 REFS., 4 TABS., 1 FIG.
1964 41.8 C81
Anaphylaxis, Cattle, Rabbits, Sheep, Swine, Vibrio.

4968-68
FEDERAL REQUIREMENTS AND PROCEDURES USED FOR EVALUATION OF INFECTIOUS BRONCHITIS VACCINES.
D D Oshel
Poultry Sci 42(1):173-178, 6 REFS.
Jan 1963 47.8 AM33P
Infectious bronchitis, Vaccines.

4969-68
NATURAL INFECTION OF SHEEP BY BRUCELLA MELITENSIS IN ARGENTINA.
A L Ossola B Szyfres B D Blood
Amer J Vet Res 24(100):446-449, 20 REFS.
May 1963 41.8 AM3A
Brucellosis, Goats, Serological tests, Sheep.

4970-68
RECOMMENDED GUIDELINES FOR DISTEMPER IMMUNIZATION.
R L Ott
Amer Vet Med Ass J 149(12):1763-1765, 8 REFS.
Dec 1966 41.8 AM3
Canine distemper, Canine distemper vaccines, Immunization.

4971-68
BOVINE RESPIRATORY INFECTIONS. II. FIELD TRIAL USING BACTERIAL VACCINE PRODUCTS AS A MEANS OF PROPHYLAXIS.
J L Palotay S Young S A Lovelace J H Newhall
Amer J Vet Res 24(103):1137-1142, 17 REFS., 3 TABS.
Nov 1963 41.8 AM3A
Calves, Immunization, Respiratory diseases, Vaccines.

4972-68
THE INCIDENCE AND PERSISTENCE OF CERTAIN STRAINS OF STAPHYLOCOCCUS AUREUS IN DAIRY HERDS.
J T Parisi J N Baldwin
Amer J Vet Res 24(100):551-556, 21 REFS., 5 TABS.
May 1963 41.8 AM3A
Bacteriophages, Dairy cattle, Mastitis, Penicillin.

4973-68
ROLE OF THE VETERINARIAN IN TIME OF NATIONAL EMERGENCY.
A B Park
Amer Vet Med Ass J 149(12):1704-1707
Dec 1966 41.8 AM3
Livestock, Veterinarians, Warfare.

4974-68
OBSERVATIONS ON THE ABILITY OF TWO BIOCHEMICAL TYPES OF VIBRIO FETUS TO PROLIFERATE IN GENITAL TRACT OF CATTLE AND THEIR RESPECT TO INFERTILITY.
R W A Park I B Munro D R Melrose D L Stewart
Brit Vet J 118(10):411-420, BIBL. 420, TABS.
Oct 1962 41.8 V643
Cattle, Reproductive organs, Vibrio bubulus bacterins, Vibrio fetus bacterins.

4975-68
SEROLOGIC EVIDENCE OF CERTAIN VIRUS INFECTIONS IN WILD ANIMALS.
R L Parker V J Cabasso D J Dean E L Cheatum
Amer Vet Med Ass J 138(8):437-440, 4 TABS.
15 Apr 1961 41.8 AM3
Canine distemper, Foxes, Virus diseases (animals).

4976-68
HEREDITARY DISEASES OF THE DOG.
D F Patterson W Medway
Amer Vet Med Ass J 149(12):1741-1754, 36 REFS.
Dec 1966 41.8 AM3
Dogs, Edema, Hemophilia, Hereditary diseases.

4977-68
DISTRIBUTION OF THE SCRAPIE AGENT IN THE TISSUES OF EXPERIMENTALLY INOCULATED GOATS.
I H Pattison G C Millson
J Comp Pathol 72(3):233-244, 8 REFS.
Jul 1962 41.8 J82
Adrenal glands, Animal extracts, Brain, Goats, Nerves, Pituitary gland, Salivary glands, Scrapie, Tissues.

4978-68
PRODUCTION OF HIGH CONCENTRATIONS OF FOOT-AND-MOUTH DISEASE VIRUS.
R E Patty H J May
Amer Vet Med Ass J 140(11):1211
01 Jun 1962 41.8 AM3
Culture media, Foot-and-mouth disease virus.
Am. J. Vet. Res., 22,(Sept.,1961):926-931.

4979-68
STUDIES ON JOHNE S DISEASE IN CATTLE IN NORTHERN IRELAND. II. DIAGNOSIS OF CLINICAL INFECTIONS.
J K L Pearson
Brit Vet J 118(2):54-65, BIBL. 64-65, TABS.
Feb 1962 41.8 V643
Cattle, Johne s disease, Northern Ireland.

4980-68
IN VITRO STUDIES ON STAPHYLOCOCCI OF BOVINE ORIGIN USING PENICILLIN BRL.1241 (CELBENIN).
J K L Pearson T D Beattie
J Comp Pathol 72(3):266-269, 4 REFS.
Jul 1962 41.8 J82

Celbenin, Dairy cattle, Mastitis, Milk, Penicillin, Penicillin BRL.1241 , Penicillinanate monohydrate, 6-(2:6-dimethoxybenzamido),, Staphylococcus.

4981-68
STUDIES ON JOHNE S DISEASE IN CATTLE IN NORTHERN IRELAND. III. DIAGNOSIS OF NON-CLINICAL INFECTIONS-REVIEW OF LITERATURE.
J K L Pearson
Brit Vet J 118(3):86-96, BIBI. 94-96.
Mar 1962 41.8 V643
Cattle, Johne s disease, Northern Ireland.

4982-68
STUDIES ON JOHNE S DISEASE IN CATTLE IN NORTHERN IRELAND: IV.-DIAGNOSIS OF NON-CLINICAI INFECTIONS SEROLOGICAL AND ALLERGIC TESTS IN NORTHERN IRELAND.
J K L Pearson T G McClelland
Brit Vet J 118(3):97-106, TABS.
Mar 1962 41.8 V643
Allergies, Cattle, Johne s disease, Northern Ireland, Serological tests.

4983-68
STUDIES ON JOHNE S DISEASE IN CATTLE IN NORTHERN IRELAND. I. INCIDENCE AND DEVELOPMENT.
J K L Pearson W R P Hildebrand T G McClelland
Brit Vet J 118(1):11-14
Jan 1962 41.8 V643
Cattle, Health surveys, Johne s disease, Northern Ireland.

4984-68
ANTERIOR VENA CAVAL OBSTRUCTION SECONDARY TO THYROID CARCINOMA IN A DOG.
V D Perryman R S Brodey
Amer Vet Med Ass J 139(5):560-563, 6 FIGS.
01 Sep 1961 41.8 AM3
Anterior vena cava, Thyroid carcinoma.

4985-68
ISOLATION OF KERATINOMYCES AJELLOI FROM SKIN LESIONS OF A HORSE.
A C Pier J P Hughes
Amer Vet Med Ass J 138(9):484-486
01 May 1961 41.8 AM3
Fungi, Horses, Keratinomyces, Ringworm.

4986-68
EXPERIMENTAL ORNITHOSIS IN EWES.
K R Pierce R W Moore L H Carroll C H Bridges
Amer J Vet Res 24(103):1177-1188, 16 REFS., 2 TABS.
Nov 1963 41.8 AM3A
Ornithosis, Sheep.

4987-68
THERMAL STABILITY OF EGG-ADAPTED CANINE DISTEMPER VIRUS.
S E Piercy
Can J Comp Med Vet Sci 25(12):318
Dec 1961 41.8 C162
Canine distemper virus, Temperature.
Vet. Rec. 73:898, 1961.

4988-68
EPIZOOTIC HEMORRHAGIC DISEASE IN WHITE-TAILED DEER.
E C Pirtle J M Layton
Amer Vet Med Ass J 140(1):67
01 Jan 1962 41.8 AM3
Deer, Immunization, Red water disease.
Am. J. Vet. Res., 22(jan.,1961):104-108.

4989-68
THE IMMOBILIZATION OF CAPTIVE WILD ANIMALS WITH SUCCINYLCHOLINE. II. .
W R Pistey J F Wright
Can J Comp Med Vet Sci 25(3):59-68, 46 REFS., 3 TABS.
Mar 1961 41.8 C162
Immobilization, Succinylcholine, Wildlife.

4990-68
A PRELIMINARY REPORT ON A NEW TECHNIC FOR ISOLATION OF VIBRIO FETUS FROM CARRIER BULLS.
G J Plumer W C Duvall V M Shepler
Cornell Vet 52(1):110-122, 6 REFS., 6 TABS.
Jan 1962 41.8 C81
Bulls, Filters, Vibriosis.

4991-68
TEACHING TO IMPART AN UNDERSTANDING OF INFECTIOUS DISEASES.
G C Poppensiek
Cornell Vet 53:575-619, 4 REFS., 30 FIGS.
1963 41.8 C81
Education, Infectious diseases.

4992-68
A STUDY OF ANAPLASMOSIS IN ELK.
G Post G M Thomas
Amer Vet Med Ass J 139(3):357-358, 4 REFS.
01 Aug 1961 41.8 AM3
Anaplasmosis, Complement fixation, Deer.

4993-68
INFLUENCE OF FORAGES ON MASTITIS.
W D Pounden N A Frank
Amer Vet Med Ass J 138(3):146-150, 12 REFS., 3 TABS.
01 Feb 1961 41.8 AM3
Cattle, Diethylstilbestrol, Mastitis.

4994-68
ATTEMPTED USE OF HORMONES TO INFLUENCE MASTITIS AS MEASURED BY CALIFORNIA MASTITIS TEST RATINGS AND SHEDDING OF CERTAIN BACTERIA.
W D Pounden N A Frank
Amer Vet Med Ass J 139(5):552-554, 7 REFS., 5 TABS.
01 Sep 1961 41.8 AM3
Bovine mastitis, California mastitis test, Hormones, Streptococcus.

4995-68
ATTEMPTED USE OF HORMONES TO INFLUENCE MASTITIS AS MEASURED BY CALIFORNIA MASTITES TEST RATINGS AND SHEDDING OF CERTAIN BACTERIA.
W D Pounden N A Frank
Can J Comp Med Vet Sci 25(10):242
Oct 1961 41.8 C162
Cattle, Feed, Mastitis, Progesterone.
J.A.V.M.A., 139:552, 1961.

4996-68
FOAMING PROPERTIES OF ALFALFA RELATED TO BLOAT.
R Pressey S H Synhorst J Bertram R S Allen N L Jacobson
J Anim Sci 22(4):970-978, 11 REFS., 3 TABS.
Nov 1963 49 J82
Alfalfa, Bloat, Cattle, Plant composition.

4997-68
EVALUATION OF THE HAZARD OF SECONDARY POISONING BY WARFARIN-POISENED RODENTS.
R F Prier P H Derse
Amer Vet Med Ass J 140(4):351-354, 5 REFS.
15 Feb 1962 41.8 AM3
Dogs, Poisoning, Rodents, Warfarin.

4998-68
THE PRESENT STATUS OF INFECTIOUS BRONCHITIS VACCINES.
L G Raggi
Amer Vet Med Ass J 138(7):387-390, 12 REFS., 2 TABS., 1 FIG.
01 Apr 1961 41.8 AM3
Animal disease resistance, Chickens, Eggs, Infectious bronchitis, Respiratory diseases, Vaccines.

4999-68
CHEYLETIELLA PARASITOVORAX INFESTATION OF PUPS.
C M Reed
Amer Vet Med Ass J 138(6):306-307, 1 FIG.
15 Mar 1961 41.8 AM3
Cats, Cheyletidae, Dermatitis, Dogs, Human diseases, Insecticides, Mites, Rabbits, Thiocyanates.

5000-68
LEPTOSPIROSIS IN THE WHITE-TAILED DEER, ODOCOILEUS VIRGINIANUS.
J R Reilly T F Muraschi D J Dean
Cornell Vet 52(1):94-98, 19 REFS., 2 TABS.
Jan 1962 41.8 C81
Deer, Leptospirosis.

5001-68
EXPERIMENTAL LEPTOSPIRA POMONA INFECTION IN WHITE-TAILED DEER, ODOCOILEUS VIRGINIANUS, AND IN CATTLE.
J R Reilly T F Muraschi D J Dean
Amer Vet Med Ass J 140(1):53-57, 20 REFS., 2 TABS.
01 Jan 1962 41.8 AM3
Cattle, Deer, Leptospirosis.

5002-68
INHERITED OSTEOARTHRITIS OF DAIRY CATTLE.
J W Rendrick K Sittmann
Amer Vet Med Ass J 149(1):17-21, 13 REFS.
Jul 1966 41.8 AM3
Holstein-friesian cattle, Osteoarthropathy.

5003-68
HYPOCALCEMIC TETANY IN THE DOG.
S Resnick
Amer Vet Med Ass J 144(10):1115-1118, 24 REFS.
15 May 1964 41.8 AM3
Dogs, Milk fever, Tetany.

5004-68
COMPLEMENT-FIXATION TESTS OF MULTIPLE ANTIGEN-ANTIBODY SYSTEMS. THE USE OF SIMPLE MATHEMATICAL AIDS IN PRELIMINARY EVALUATION OF ANTIBODY TITRES AND IN ANTIGEN ADJUSTMENT.
C A Rice
Amer J Vet Res 25(2):46-50, 1 REF., 4 TABS.
Feb 1961 41.8 AM3A
Antibodies, Antigens, Complement fixation, Mathematics.

5005-68
STUDIES OF JOHNE S DISEASE IN CANADA VIII. COMPLEMENT-FIXATION TESTS WITH PROTEIN FRACTIONS OF JOHNE S BACILLI.
C E Rice E Annau H Konst
Can J Comp Med Vet Sci 24(3):22,27-35, 18 REFS., 6 TABS.
Mar 1960 41.8 C162
Johne s disease, Pleuropneumonia-like organisms, Protein fractions.

5006-68
THE USE OF THE COMPLEMENT-FIXATION TEST IN THE STUDY AND DIAGNOSIS OF VIRAL DISEASES IN MAN AND ANIMALS - A REVIEW.
C E Rice
Can J Comp Med Vet Sci 25(6):151-156, 86 REFS.
Jun 1961 41.8 C162
Chickens, Complement fixation, Ducks, Horses, Human diseases, Myxoviruses, Swine.

5007-68
THE USE OF COMPLEMENT-FIXATION TESTS IN THE STUDY AND DIAGNOSIS OF VIRAL DISEASES IN MAN AND ANIMALS--A REVIEW.
C E Rice
Can J Comp Med Vet Sci 25(3):74-79, 90 REFS.
Mar 1961 41.8 C162
Complement fixation, Human diseases, Miyagawanella group viruses, Virus diseases (animals).

5008-68
STUDIES OF JOHNE S DISEASE IN CANADA.
C E Rice H Konst J Charriere
Can J Comp Med Vet Sci 25(5):121-128, 7 REFS., 6 TABS.
May 1961 41.8 C162
Canada, Cattle, Johne s disease.

5009-68
THE USE OF COMPLEMENT-FIXATION TESTS IN THE STUDY AND DIAGNOSIS OF VIRAL DISEASES IN MAN AND ANIMALS-A REVIEW.
C E Rice
Can J Comp Med Vet Sci 25(2):35-40, 79 REFS.
Feb 1961 41.8 C162
Animals, Complement fixation, Enteroviruses, Human diseases, Poliomyelitis, Viruses.

5010-68
PHARYNGITIS ASSOCIATED WITH PYOMETRA IN A DOG.
B E Richter
Amer Vet Med Ass J 138(3):136-137
01 Feb 1961 41.8 AM3
Dihydrosterptomycin, Metritis, Penicillin, Pharyngitis, Promazine.

5011-68
PEROSIS SECONDARY TO NATURALLY OCCURING MUSCLE NECROSIS IN THE DUCK.
B H Rigdon
Amer J Vet Res 24(102):1030-1036, 18 REFS.
Sep 1963 41.8 AM3A
Necrosis, Pekin ducks, Perosis.

5012-68
EFFECT OF EXPERIMENTAL INFLAMMATION ON VASCULAR PERMEABILITY IN THE MAMMARY GLAND OF THE EWE.
H F Righter H W Hawk T H Brinsfield
Amer J Vet Res 24(100):435-438, 7 REFS., 1 TAB
May 1963 41.8 AM3A
Mammary glands, Sheep.

5013-68
AN ANALYSIS OF THE CURRENT STATUS OF HIP DYSPLASIA IN THE DOG.
W H Riser
Amer Vet Med Ass J 144(7):709-721, 100 REFS.
01 Apr 1964 41.8 AM3
Bone dislocation, Dogs, Hip joint.

5014-68
JUVENILE OSTEOPOROSIS (OSTEOGENESIS IMPERFECTA)-A CALCIUM DEFICIENCY.
W H Riser
Amer Vet Med Ass J 139(1):117-119, 3 REFS.
01 Jul 1961 41.8 AM3
Calcium deficiency, Osteogenesis imperfecta, Osteoporosis.

5015-68
ANAPLASMOSIS. XV. MORPHOLOGIC AND CHEMICAL PROPERTIES OF THE ANTIGEN USED IN THE CAPILLARY TUBE-AGGLUTINATION TEST.
M Ristic J P Kreier
Amer J Vet Res 24(102):985-992, 9 REFS., 1 TAB.
Sep 1963 41.8 AM3A
Agglutination test, Anaplasmosis, Electron microscopy.

5016-68
ANAPLASMOSIS. VIII. BIOCHEMICAL AND BIOPHYSICAL CHARACTERIZATION OF SOLUBLE ANAPLASMA ANTIGENS.
M Ristic D K Mann R Kodras
Amer J Vet Res 24(100):472-477, 13 REFS., 3 TABS.
May 1963 41.8 AM3A
Anaplasmosis, Cattle.

5017-68
ANAPLASMOSIS. VI.. STUDIES AND A HYPOTHESIS CONCERNING THE CYCLE OF DEVELOPMENT OF THE CAUSATIVE AGENT.
M Ristic A M Watrach
Amer J Vet Res 24(99):267-276, 14 REFS.
Mar 1963 41.8 AM3A
Blood, Cattle.

5018-68
ANAPLASMOSIS. IX. IMMUNOSEROLOGIC PROPERTIES OF SOLUBLE ANAPLASMA ANTIGENS.
M Ristic D K Mann
Amer J Vet Res 24(100):478-482, 15 REFS., 2 TABS.
May 1963 41.8 AM3A
Anaplasmosis, Cattle.

5019-68
INFLUENCE OF PASTEURELLA MULTOCIDA AND MYCOPLASMA HYORHINIS (PPLO) ON THE HISTOPATHOLOGY OF FIELD CASES OF SWINE PNEUMONIA.
E D Roberts W P Switzer C L Ecuyer
Cornell Vet 52(3):306-327, 19 REFS., 2 TABS.
Jul 1962 41.8 C81
Histology, Pneumonia, Swine.

5020-68
PATHOLOGY OF THE VISCERAL ORGANS OF SWINE INNOCULATED WITH MYCOPLASMA HYORHINIS.
E D Roberts W P Switzer F K Ramsey
Amer J Vet Res 24(98):9-17, 20 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Pneumonia, Swine.

5021-68
THE PATHOLOGY OF MYCOPLASMA HYORHINIS ARTHRITIS PRODUCED EXPERIMENTALLY IN SWINE.
E D Roberts W P Switzer F K Ramsey
Amer J Vet Res 24(98):19-30, 26 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Arthritis, Polyserositis, Swine.

5022-68
DEATHS IN TWO CALVES FOLLOWING VACCINATION WITH BRUCELLA ABORTUS STRAIN 19 VACCINE.
S J Roberts R A Squire H L Gilman
Cornell Vet 52(4):592-595, 4 REFS.
Oct 1962 41.8 C81
Brucella abortus vaccines, Calves, Mortality.

5023-68
ZINC METABOLISM AND THE ZINC-DEFICIENCY SYNDROME IN THE DOG.
B T Robertson
Amer J Vet Res 24(102):997-1002, 20 REFS.
Sep 1963 41.8 AM3A
Conjunctivitis, Deficiency diseases, Dogs, Keratitis, Zinc.

5024-68
THE EVALUATION OF RESULTS FROM A THERAPEUTIC TRIAL ON BOVINE KETOSIS.
J McD Robertson
Amer Vet Med Ass J 149(12):1620-1623, 2 REFS., 5 TABS.
Dec 1966 41.8 AM3
Cattle, Ketosis.

5025-68
AVIAN SPIROCHETOSIS (BORRELIA ANSERINA) EPIZOOTICS IN ARIZONA POULTRY.
N W Rokey V N Snell
Amer Vet Med Ass J 138(12):648-652, 13 REFS.
15 Jun 1961 41.8 AM3
Bacteria, Borrelia, Chickens, Penicillin, Spirochetosis.

5026-68
CANINE BABESIASIS (PIROPLASMOSIS) -A CASE REPORT.
N W Rokey R Russel
Amer Vet Med Ass J 138(12):635-638, 2 FIGS.
15 Jun 1961 41.8 AM3
Acaprin, Babesia, Bis-methosulfate, Diamidines, Dogs, Heme, Ixodides, Piroplasmosis, Trypan blue.

5027-68
EQUINE INCOORDINATION. I. GROSS MORPHOLOGY.
J R Rooney
Cornell Vet 53:411-422, 9 REFS., 8 FIGS.
1963 41.8 C81
Cervical malformation, Horses, Wobbles.

5028-68
EPIPHYSEAL COMPRESSION IN YOUNG HORSES.
J R Rooney
Cornell Vet 53:567-574, 1 REF., 6 FIGS.
1963 41.8 C81
Epiphysitis, Horses, Rickets.

5029-68
MYCOPLASMA MYCOIDES VAR. MYCOIDES IN MICE A COMPARISON OF LESION AND SEROLOGICAL RESPONSE IN FIVE INBRED LINES.
J G Ross
J Comp Pathol 72(3):332-336, 7 REFS.
Jul 1962 41.8 J82
Blood proteins, Immunity, Mice, Mycoplasma, Serum globulins.

5030-68
FURTHER OBSERVATIONS ON HELMINTHIASIS IN NIGERIAN ZEBU CATTLE: THE SEROLOGICAL RESPONSE.
J G Ross
Brit Vet J 118(2):66-70
Feb 1962 41.8 V643
Cattle, Haemonchus, Helminthiasis, Nigeria, Serological tests, Zebu cattle.

5031-68
COMPARATIVE CULTURAL RESULTS OF RENAL TISSUE AND URINE OF STRIPED SKUNKS FOR LEPTOSPIRES.
E E Roth K Newman M Moore G E Sanford W V Adams B Greer
Cornell Vet 54:353-359, 14 REFS.
1964 41.8 C81
Kidneys, Leptospires, Leptospiuria, Skunks, Urine.

5032-68
A MYCOPLASMA FROM A BOVINE CAUSING CYTOPATHOGENIC EFFECTS IN CALF KIDNEY TISSUE CULTURE.
G C Rovozzo R E Luginbuhl C F Helmboldt
Cornell Vet 53:560-566, 10 REFS., 1 FIG.
1963 41.8 C81
Cattle, Ethyl ether, Mastitis, Mycoplasma, Neomycin, Oxytetracycline, Pleuropneumonia-like organisms.

5033-68
COMPARISON OF ISOLATES OF MYCOPLASMA HYORHINIS BY INDIRECT HEMAGGLUTINATION.
R F Russ W P Switzer
Amer J Vet Res 24(100):622-627, 21 REFS., 2 TABS.
May 1963 41.8 AM3A
Hemagglutination, Mycoplasmosis, Serum, Sheep, Swine.

5034-68
REPORT OF THE NATIONAL ACADEMY OF SCIENCES SUBCOMMITTEE FOR THE ASSESSMENT OF DAMAGE TO LIVESTOCK FROM RADIOACTIVE FALLOUT.
J H Rust
Amer Vet Med Ass J 140(3):231-235
01 Feb 1962 41.8 AM3
Health, Livestock, Radioactive contamination.

5035-68
TULARMIA IN WYOMING SHEEP.
J F Ryff H A Michael E S Murton
Amer Vet Med Ass J 138(6):309-310
15 Mar 1961 41.8 AM3
Dermacentor, Insect vectors, Pasteurella, Sheep, Tularemia.

5036-68
EXPERIMENTAL TREATMENT OF OVINE VIBRIOSIS.
J F Ryff H Breen
Amer Vet Med Ass J 139(6):665-668, 4 REFS.
15 Sep 1961 41.8 AM3
Chlorotetracycline, Ovine vibriosis, Therapeutics, Vibriosis.

5037-68
HEMOPHILIA IN A FOAL.
V L Sanger R E Mairs A L Trapp
Amer Vet Med Ass J 144(3):259-264, 14 REFS. 4 TABS.
01 Feb 1964 41.8 AM3
Blood transfusions, Foals, Hemophilia.

5038-68
CONTROL OF SALMONELLA CONTAMINATION IN EGGS, FEEDS, AND FEED PRODUCTS.
E E Saulmon
Amer Vet Med Ass J 149(12):1691-1697, 26 REFS.
Dec 1966 41.8 AM3
Eggs, Feed, Human diseases, Salmonellosis.

5039-68
MALIGNANT EPENDYNOMA IN A DOG.
A Savage J M Isa W Fischer
Cornell Vet 52(1):68-70, 5 REFS.
Jan 1962 41.8 C81
Brain, Dogs, Neoplasms.

5040-68
SEROLOGIC TESTS FOR THEILERIA CERVI IN WHITE-TAILED DEER AND FOR OTHER SPECIES IN CATTLE AND SHEEP.
W F Schaeffler
Amer J Vet Res 24(101):784-790, 14 REFS., 2 TABS.
Jul 1963 41.8 AM3A
Cattle, Serodiagnosis, Sheep, Theileriasis, Wildlife.

5041-68
PATHOLOGY AND SURGICAL CORRECTION OF PERIANAL FISTULOUS TRACTS IN A DOG.
A Schaffer I R Block
Amer Vet Med Ass J 138(1):22-23, 3 FIGS.
01 Jan 1961 41.8 AM3
Anus, Fistula, German shepherd dogs, Irish setter dogs, Penicillin, Streptomycin, Surgery.

5042-68
SEROLOGIC SURVEYS FOR SELECTED ZOONOSES IN OHIO VETERINARIANS.
P R Schnurrenberger R A Masterson J H Russell
Amer Vet Med Ass J 144(4):381-383, 9 REFS. 3 TABS.
15 Feb 1964 41.8 AM3
Serological tests, Veterinarians, Zoonoses.

5043-68
BOVINE LEPTOSPIROSIS- A HAZARD TO MAN.
P R Schnurrenberger R A Tjalma H E Stegmiller F H Wentworth
Amer Vet Med Ass J 139(8):884-887, 18 REFS.
15 Oct 1961 41.8 AM3
Bovine leptospirosis, Cattle.

5044-68
STUDIES OF BOVINE ERYTHROCYTES IN ANAPLASMOSIS. III. PARTITION OF ERYTHROCYTIC PHOSPHOLIPIDS.
G T Schrader G T Dimopoullos
Amer J Vet Res 24(99):283-286, 19 REFS., 2 TABS.
Mar 1963 41.8 AM3A
Anaplasmosis, Calves, Erythrocytes, Phospholipids.

5045-68
PRECIPITATING ANTIGENS OF LEPTOSPIRES. I. CHEMICAL PROPERTIES AND SEROLOGIC ACTIVITY OF SOLUBLE FRACTIONS OF LEPTOSPIRA POMONA.
R L Schricker L E Hanson
Amer J Vet Res 24(101):854-860, 25 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Antigens, Culture media, Leptospirosis, Serodiagnosis.

5046-68
PRECIPITATING ANTIGENS OF LEPTOSPIRES.II. SEROLOGIC STUDY OF SOLUBLE FRACTIONS FROM 4 SEROTYPES.
R L Schricker L E Hanson

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Amer J Vet Res 24(101):861-865, 8 REFS., 2 TABS.
Jul 1963 41.8 AM3A
Agar, Antibodies, Antigens, Leptospirosis, Precipitin test, Rabbits.

5047-68
INFLUENCE OF THE ROUTE OF EXPOSURE ON THE TITRE OF RINDERPEST VIRUS IN RABBITS.
G R Scott C S Rampton
J Comp Pathol 72(3):299-302, 14 REFS.
Jul 1962 41.8 J82
Oryctolagus, Rabbits, Rinderpest virus.

5048-68
BREED RESISTANCE TO OSTERTAGIASIS IN SHEEP.
L H Scrivner
Amer Vet Med Ass J 144(8):883-886, 9 REFS. 7 TABS.
15 Apr 1964 41.8 AM3
Immunity, Ostertagiasis, Sheep.

5049-68
DIHYDROSTREPTOMYCIN FOR TREATMENT OF GENITAL VIBRIOSIS IN THE BULL.
C L Seger R B Lank H E Levy
Amer Vet Med Ass J 149(12):1634-1639, 12 REFS., 3 TABS.
Dec 1966 41.8 AM3
Bulls, Streptomycin, Vibriosis.

5050-68
HISTOPATHOLOGIC AND SEROLOGIC STUDY OF SUBCLINICAL LEPTOSPIROSIS AMONG CATTLE.
H R Seibold H Keech D L Bokelman
Amer Vet Med Ass J
138(8):424-430, 13 REFS., 3 TABS., 7 FIGS.
15 Apr 1961 41.8 AM3
Cattle, Kidneys, Leptospira, Leptospirosis, Serological tests.

5051-68
A REVISED CONCEPT OF THE LINGUAL LESIONS IN CATTLE WITH FOOT-AND-MOUTH DISEASE.
H R Seibold
Amer J Vet Res 24(103):1123-1130, 14 REFS.
Nov 1963 41.8 AM3A
Cattle, Foot-and-mouth disease, Tongue.

5052-68
AN ALBUMIN-LIKE PROTEIN IN MASTITIC MILK. I. PHYSICAL, CHEMICAL, AND IMMUNOLOGIC IDENTIFICATION.
P C Shah G E Morse D H Pitkin
Amer J Vet Res 24(101):723-729, 18 REFS., 2 TABS.
Jul 1963 41.8 AM3A
Albumins, Mastitis, Milk.

5053-68
RELATIVE ABSORPTION AND EXCRETION BY BEEF CATTLE OF COPPER FROM VARIOUS SOURCES.
H L Shapman Jr M C Bell
J Anim Sci 22(1):82-85, 12 REFS., 2 TABS.
Feb 1963 49 J82
Absorption (biological), Beef cattle, Copper, Hemoglobin, Radioisotopes.

5054-68
THE NATURE OF THE CROSS REACTIONS BETWEEN A BACTERIUM OF THE GENUS HERRELEA AND THE ORNITHOSIS VIRUS IN COMPLEMENT FIXATION.
Y Shimizu Z A Bankowski
Amer J Vet Res 24(103):1283-1290, 13 REFS., 7 TABS.
Nov 1963 41.8 AM3A
Ornithosis, Poults.

5055-68
AMMONIUM CHLORIDE AS A URINARY ACIDIFIER IN THE DOG.
E C Short P B Hammond
Amer Vet Med Ass J 144(8):864-867, 8 REFS. 1 TAB.
15 Apr 1964 41.8 AM3
Ammonium chloride, Cystitis, Dogs, Hydrogen-ion concentration, Urine.

5056-68
EXPERIMENTAL EVALUATION OF CULTURE AND SERUM VACCINATION FOR THE CONTROL OF SWINE ERYSIPELAS. X.VACCINATION OF THE OFFSPRING OF IMMUNE DAMS WITH RELATION TO AGE AFTER WEANING.
R D Shuman
Amer Vet Med Ass J 139(7):776-780, 6 REFS.
01 Oct 1961 41.8 AM3
Baby pigs, Erysipelothrix rhusiopathiae vaccine, Immunization, Swine erysipelas.

5057-68
EXPERIMENTAL EVALUATION OF CULTURE AND SERUM VACCINATION FOR THE CONTROL OF SWINE ERYSIPELAS.
R D Shuman
Amer Vet Med Ass J 138(6):317-319, 1 TAB.
15 Mar 1961 41.8 AM3
Erysipelothrix, Immunization, Swine, Swine erysipelas.

5058-68
THE EFFECT OF FLUORINE ON DAIRY CATTLE. V. FLUORINE IN THE URINE AS AN ESTIMATOR OF FLUORINE INTAKE.
J L Shupe L E Harris D A Greenwood J E Butcher H M Nielsen
Amer J Vet Res 24(99):300-305, 10 REFS., 3 TABS.
Mar 1963 41.8 AM3A
Fluorine, Urine.

5059-68
THE EFFECT OF FLUORINE ON DAIRY CATTLE. II. CLINICAL AND PATHOLOGIC EFFECTS.
J L Shupe M L Miner D A Greenwood L E Harris G E Stoddard
Amer J Vet Res 84(102):964-979, 26 REFS., 2 TABS.
Sep 1963 41.8 AM3A
Bones, Fluorine, Milk.

5060-68
NEW CONCEPTS OF ARTHRITIS IN SWINE.
D Sikes
Can J Comp Med Vet Sci 24(12):347-351, 13 REFS., 3 FIGS.
Dec 1960 41.8 C162
Arthritis, Swine.

5061-68
EFFECTS OF HIGH CONCENTRATION OF PENICILLIN ON CANINE DISTEMPER VIRUS IN CHICK EMBRYOS.
M Simi
Cornell Vet 54:260-265, 14 REFS., 2 TABS.
1964 41.8 C81
Canine distemper virus, Penicillin.

5062-68
GAMMA IRRADIATION OF ANAPLASA MARGINALE.
C F Simpson F C Neal G T Edds
Amer J Vet Res 25(109):1771-1772, 3 REFS
Nov 1964 41.8 AM3A
Anaplasmosis, Calves.

5063-68
OBSERVATIONS ON THE CLINICAL PATHOLOGY OF OVINE FASCIOLIASIS.
K B Sinclair
Brit Vet J 118(2):37-53, TABS.
Feb 1962 41.8 V643
Carbon tetrachloride, Fascioliasis, Sheep.

5064-68
THE GROWTH CURVE OF A PORCINE ENTEROVIRUS (ECPO-1) IN PORCINE KIDNEY MONOLAYERS.
K V Singh
Cornell Vet 52(1):71-77, 9 REFS., 1 TAB.
Jan 1962 41.8 C81
Porcine enteroviruses, Tissue culture.

5065-68
ENCEPHALOMYELITIS OF PIGS PRODUCED EXPERIMENTALLY BY A PORCINE ENTEROVIRUS.
K V Singh E H Bohl V L Sanger
Cornell Vet 54:612-628, 14 REFS., 4 FIGS., 1 TAB.
1964 41.8 C81
Porcine enteroviruses, Swine, Teschen disease.

5066-68
CLINICO-PATHOLOGIC CONFERENCE.
J F Skelley
Amer Vet Med Ass J 144(2):164-174, 5 REFS.
15 Jan 1964 41.8 AM3
Ancylostomatidae, Anemia, Bone marrow hypoplasia, Canine distemper, Dogs.

5067-68
CHRONIC ARTERITIS IN THE LABORATORY RAT.
B H Skold
Amer Vet Med Ass J 138(4):204-207, 18 REFS., 8 FIGS.
15 Feb 1961 41.8 AM3
Arteritis, Rats.

5068-68
VACCINATION OF DAIRY CATTLE AGAINST STAPHYLOCOCCIC MASTITIS.
L W Slaneta C H Bartley F E Allen
Amer J Vet Res 24(102):923-931, 10 REFS., 6 TABS.
Sep 1963 41.8 AM3A

Dairy cattle, Immunization, Mastitis,
Staphylococcus bacterins.

5069-68
TRANSMISSION OF BOVINE LEPTOSPIROSIS BY COITION AND ARTIFICIAL INSEMINATION.
S D Sleight J A Williams
Amer Vet Med Ass J /38(3):151-152
01 Feb 1961 41.8 AM3
Animal vectors, Artificial insemination, Breeding, Cattle, Leptospirosis.

5070-68
BOVINE DEMODICIDOSIS III. ITS EFFECTS ON HIDES AND LEATHER.
H J Smith
Can J Comp Med Vet Sci 25(10):243-246, 9 REFS.
Oct 1961 41.8 C162
Cattle, Demodectic mange, Hides, Leather.

5071-68
BOVINE DEMODICIDOSIS IV. RELATIONSHIP TO NON-SPECIFIC TUBERCULIN REACTIONS.
H J Smith
Can J Comp Med Vet Sci 25(12):307-308, 5 REFS.
Dec 1961 41.8 C162
Cattle, Demodectic mange, Tuberculin test.

5072-68
CLOSTRIDIUM SORDELLI INFECTION IN SHEEP.
L D Smith J W Safford W W Hawkins
Cornell Vet 52(1):62-68, 7 REFS.
Jan 1962 41.8 C81
Sheep.

5073-68
EXPERIMENTAL LEPTOSPIROSIS IN PREGNANT EWES. IV. INTRAVENOUS AND INTRAFETAL INOCULATIONS.
P E Smith I M Reynolds G W Clark
Cornell Vet 52(1):99-109, 14 REFS., 1 TAB.
Jan 1962 41.8 C81
Immunization, Leptospirosis, Pregnancy, Sheep.

5074-68
USE OF ADRENAL CORTICAL STEROIDS IN METABOLIC, NEOPLASTIC, AND INFECTIOUS DISEASES.
C H Sodikoff
Amer Vet Med Ass J 149(12):1735-1740, 27 REFS., 1 TAB.
Dec 1966 41.8 AM3
Adrenal cortex hormones, Asthma, Hypoglycemia, Prednisolone, Steroids, Uremia.

5075-68
A MICROSPECTROPHOTOMETRIC STUDY OF DEOXYRIBONUCLEIC ACID CONTENT OF CELLS INFECTED WITH INFECTIOUS CANINE HEPATITIS VIRUS.
S F Soo J E Moulton
Amer J Vet Res 24(98):150-155, 32 REFS., 1 TAB.
Jan 1963 41.8 AM3A
Deoxyribonucleic acid, Dogs, Infectious canine hepatitis, Spectrophotometry.

5076-68
SOME ASPECTS OF THE MECHANISM OF IMMUNITY TO HELMINTHS.
E J Soulsby
Amer Vet Med Ass J 138(7):355-362, 22 REFS., 8 FIGS.
01 Apr 1961 41.8 AM3
Antibodies, Antigens, Ascaris, Calves, Eosinophils, Helminths, Immunity, Nippostrongylus, Rats, Sheep, Swine, Trichinella.

5077-68
THE USE OF A GROWTH-AGGLUTINATION TEST FOR THE DETECTION OF ANTIBODIES TO STAPHYLOCOCCUS AUREUS IN CATTLE.
G R Spencer G H Stabenfeldt D M Fluharty
Amer J Vet Res 24(98):83-87, 9 REFS., 3 TABS.
Jan 1963 41.8 AM3A
Agglutination test, Cattle.

5078-68
PROPERTIES OF INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS IN A QUANTITATED VIRUS-CELL CULTURE SYSTEM.
J G Stevens N B Groman
Amer J Vet Res 24(103):1158-1163, 23 REFS.
Nov 1963 41.8 AM3A
Assay, Culture media,
Infectious bovine rhinotracheitis virus.

5079-68
EFFECTS OF THE CHELATE ETHYLENEDIAMINE DI-(O-HYDROXYPHENYL)-ACETATE) IN THE RUMEN--POSSIBLE RELATIONSHIP TO BLOAT IN LAMBS.
F B Stifel R L Vetter
J Anim Sci 22(4):1140
Nov 1963 49 J82
Alfalfa, Bloat, Chelation, Lambs, Rumen.

5080-68
THE BEHAVIOR OF BRUCELLA NEOTOMAE AND BRUCELLA SUIS IN RECIPROCAL SUPERINFECTION EXPERIMENTS IN MICE AND GUINEA PIGS.
H G Stoenner
Amer J Vet Res 24(99):376-379, 12 REFS., 4 TABS.
Mar 1963 41.8 AM3A
Brucellosis, Guinea pigs, Mice.

5081-68
POLYARTHRITIS OF SHEEP IN THE INTERMOUNTAIN REGION CAUSED BY A PSITTACOSIS-LYMPHOGRANULOMA AGENT.
J Storz J L Shupe L F James R A Smart
Amer J Vet Res 24(103):1201-1206, 17 REFS., 3 REFS.
Nov 1963 41.8 AM3A
Arthritis, Miyagawanella group viruses, Sheep.

5082-68
SUPERINFECTION OF PREGNANT EWES LATENTLY INFECTED WITH A PSITTACOSIS-LYMPHOGRANULOMA AGENT.
J. Storz
Cornell Vet 53:469-480, 15 REFS., 5 TABS.
1963 41.8 C81
Enzootic abortion, Idaho, Lambs,
Miyagawanella group viruses, Utah.

5083-68
DISTRIBUTION OF THE TROPICAL HORSE TICK IN THE UNITED STATES, WITH NOTES ON ASSOCIATED CASES OF EQUINE PIROPLASMOSIS.
R A Strickland R B Gerrish
Amer Vet Med Ass J 144(8):875-878, 9 REFS.
15 Apr 1964 41.8 AM3
Anocentor, Horses, Insect ecology, Piroplasmosis.

5084-68
BOVINE INFECTIOUS PUSTULAR VULVOVAGINITIS IN THE WESTERN UNITED STATES.
M J Studdert E M Wada W M Kortum F A Groverman
Amer Vet Med Ass J 144(6):615-619, 11 REFS.
15 Mar 1964 41.8 AM3
Coital exanthema, Dairy cattle.

5085-68
ON THE INCIDENCE OF BOVINE AND HUMAN GOITRE IN SLOVAKIA.
K Stukovsky S Nemeth J Podoba
Can J Comp Med Vet Sci 25(1):24-25, 7 REFS., 1 TAB.
Jan 1961 41.8 C162
Cattle, Goiter, Human diseases.

5086-68
COMBINATION DRUG TREATMENT FOR INTERNAL PARASITE INFECTIONS OF CATTLE.
L E Swanson A E Wade
Amer Vet Med Ass J 138(1):1-6, 4 TABS., 1 FIG.
01 Jan 1961 41.8 AM3
Ancylostomatidae, Cattle, Clonorchis, Cooperia, Elateridae, Fasciola, Hexachloroethane, Nematodes, Oesophagostomum, Paramphistomum, Phenothiazine, Piperazine citrate.

5087-68
EVALUATION OF AN ERYTHROPOIETIC FACTOR IN THE BLOOD OF ANEMIC CATTLE, USING IRON-59.
R N Swanson G K L Underbjerg H C Fryer
Amer J Vet Res 24(99):307-311, 27 REFS., 3 TABS.
Mar 1963 41.8 AM3A
Anemia, Cattle, Erythropoiesis, Iron, Rats.

5088-68
DIFFERENTIAL DIAGNOSIS OF ANEMIA IN SMALL ANIMALS.
J B Tasker
Amer Vet Med Ass J 149(12):1755-1760, 3 TABS.
Dec 1966 41.8 AM3
Anemia, Cats, Diagnosis, Dogs, Hemolysis, Hemorrhage.

5089-68
PROPERTIES OF SOME VIRUSES OF THE MUCOSAL DISEASE-VIRUS COMPLEX.
D O N Taylor D P Gustafson R M Claflin
Amer J Vet Res 24(98):143-149, 23 REFS., 2 TABS.
Jan 1963 41.8 AM3A

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Lambs, Mucosal disease, Rats, Virus diarrhea.

5090-68
THE MODIFIED WHITESIDE TEST. RECOMMENDED PROCEDURES FOR BULK OF BLENDED MILK DELIVERIES.
H C Temple
Cornell Vet 53:54-59, 4 REFS., 1 FIG.
1963 41.8 C81
Cattle, Mastitis, Milk analysis, Whiteside test.

5091-68
BOVINE LYMPHOSARCOMA WITH ACUTE TERMINAL LYMPHOCYTIC LEUKEMIA. A CASE REPORT.
G H Theilen L G Burnham
Cornell Vet 54:325-331, 4 REFS., 2 FIGS., 1 TAB.
1964 41.8 C81
Dairy cattle, Leukemia, Lymphosarcoma.

5092-68
MAMMALIAN CONGENITAL ABNORMALITIES IN AVITAMINOSIS.
E B H Thomas
J Anim Sci 22(3):848
Aug 1963 49 J82
Abnormalities, Avitaminosis, Rats.

5093-68
SEROLOGIC SURVEY OFLEPTOSPIRA POMONA INFECTION IN WYOMING CATTLE.
G M Thomas M A Radford
Amer Vet Med Ass J U40(7):684-686, 9 REFS., 2 TABS.
01 Apr 1962 41.8 AM3
Cattle, Leptospirosis, Serological tests.

5094-68
DIAGNOSIS AND TREATMENT OF COMMON SKIN DISORDERS OF THE CAT.
G W Thornton
Cornell Vet 53:144-157, 3 REFS.
1963 41.8 C81
Cats, Dermatology, Ear mange, Eczema, Etiology, Ringworm.

5095-68
NEOPLASMS OF DOGS.
J P Thrasher
Amer Vet Med Ass J 138(1):27-30, 1 TAB.
01 Jan 1961 41.8 AM3
Dogs, Lungs, Lymphoma, Mammary glands, Nematodes, Neoplasms, Skin, Spirocerca, Testes.

5096-68
HYPERTROPHIC PULMONARY OSTEOARTHROPATHY IN DOGS.
J P Thrasher
Amer Vet Med Ass J 139(4):441-448, 15 REFS., 11 FIGS.
15 Aug 1961 41.8 AM3
Dogs, Hypertrophic pulmonary osteoarthropathy.

5097-68
MINERAL NUTRIENTS FOR LIVESTOCK.
A D Tillman
Amer Vet Med Ass J 138(11):599-602, 20 REFS., 4 TABS.
01 Jun 1961 41.8 AM3
Deficiency diseases, Livestock, Minerals, Nutrition.

5098-68
UREA, NITRATES, AND VITAMIN A IN RUMINANT NUTRITION.
A D Tillman
Amer Vet Med Ass J 149(12):1571-1575, 46 REFS.
Dec 1966 41.8 AM3
Animal nutrition, Nitrates, Ruminants, Urea, Vitamin A.

5099-68
SEROLOCIC EVIDENCE OF LEPTOSPIRA POMONA INFECTIONS IN MEAT INSPECTORS.
J E Tobie N B McCullough
Amer Vet Med Ass J 138(8):434-436, 1 TAB.
15 Apr 1961 41.8 AM3
Human diseases, Leptospira, Leptospirosis, Meat packing industry, Serological tests.

5100-68
STUDIES ON CHRONIC COPPER POISONING: I. TOXICITY OF COPPER SULPHATE AND COPPER ACETATE IN SHEEP.
J R Todd J F Gracey R H Thompson
Brit Vet J 118(11):482-491, BIBL. 491.
Nov 1962 41.8 V643
Copper, Copper acetate, Copper sulfate, Poisoning, Sheep.

5101-68
ISLET CELL TUMOR OF THE BOVINE PANCREAS.
C H Tokarnia
Amer Vet Med Ass J 138(10):541-547, 30 REFS., 7 FIGS.
15 May 1961 41.8 AM3
Cattle, Insulin, Islands of langerhans, Neoplasms, Pancreas.

5102-68
OBSERVATIONS ON THE PERIODICITY OF DIROFILARIA IMMITIS IN THE PERIPHERAL CIRCULATION OF THE DOG.
M S Tongson F S Romero
Brit Vet J 118(7):299-304
Jul 1962 41.8 V643
Dirofilariasis, Dogs.

5103-68
THE DIFFERENTIATION OF SALMONELLA PULLORUM AND SALMONELLA GALLINARUM BY BIOCHEMICAL METHODS.
L R Trabulsi P R Edwards
Cornell Vet 52(4):563-569, 9 REFS., 1 TAB.
Oct 1962 41.8 C81
Biochemistry, Salmonellosis.

5104-68
THE ROLE OF DEER IN THE EPIZOOTIOLOGY OF LEPTOSPIROSIS IN WISCONSIN.
D O Trainer R P Hanson E P Pope E A Carbrey
Amer J Vet Res 24(98):159-167, 37 REFS., 6 TABS.
Jan 1963 41.8 AM3A
Deer, Epizootic diseases, Leptospirosis.

5105-68
THE ASSOCIATION OF WHITE-TAILED DEER AND CATTLE IN WISCONSIN.
D O Trainer R P Hanson
Cornell Vet 52(3):431-438, 11 REFS., 2 TABS.
Jul 1962 41.8 C81
Cattle, Deer, Livestock diseases, Wildlife diseases.

5106-68
CHARACTERIZATION OF THE AGENTS OF ULCERATIVE DERMATOSIS AND ECTHYMA.
M S Trueblood T L Chow
Amer J Vet Res 24(98):47-51, 24 REFS.
Jan 1963 41.8 AM3A
Ecthyma, Sheep, Ulcerative dermatosis.

5107-68
AN IMMUNOLOGIC STUDY OF ULCERATIVE DERMATOSIS AND CONTAGIOUS ECTHYMA.
M S Trueblood T L Chow L A Griner
Amer J Vet Res 24(98):42-46, 17 REFS., 3 TABS.
Jan 1963 41.8 AM3A
Ecthyma, Immunity, Sheep, Ulcerative dermatosis.

5108-68
QUANTITY PRODUCTIONS OF LEUKOCYTE CULTURES FOR USE IN HEMADSORPTION TESTS WITH AFRICAN SWINE FEVER VIRUS.
H S Tubiash
Amer J Vet Res 24(99):381-384, 11 REFS., 1 TAB.
Mar 1963 41.8 AM3A
African swine fever virus, Culture media, Hemadsorption tests, Leukocytes.

5109-68
DEFICIENCIES OF MAGNESIUM AND VITAMIN D AND ANTIBODY PRODUCTION AND HEMATOLOGY OF BABY PIGS.
D E Ullrey B H Vincent J A Hoefer
J Anim Sci 22(4):1127
Nov 1963 49 J82
Antibodies, Baby pigs, Deficiency diseases, Hematology, Magnesium.

5110-68
HEREDITARY ENCEPHALOMYOPATHY: A HYDROCEPHALUS SYNDROME IN NEWBORN CALVES.
H K Urman O D Grace
Cornell Vet 54:229-249, 17 REFS., 12 FIGS.
1964 41.8 C81
Cattle, Congenital hydrocephalus, Morphology.

5111-68
THE CONCENTRATION OF SOME ANTIBIOTICS IN THE MILK AFTER INTERMAMMARY INFUSION.
O Uvanov
Can J Comp Med Vet Sci 25(6):160
Jun 1961 41.8 C162
Antibiotics, Milk, Norobiocin, Penicillin, Streptomycin.
The Veterinary Record 72:1228, 1960.

5112-68
THE NEUTRALIZATION TEST FOR VESICULAR STOMATITIS VIRUS IN CHICKEN EMBRYOS AND TISSUE CULTURES.
S Vadlamudi R P Hanson

Cornell Vet 53:16-23, 8 REFS., 3 TABS., 1 FIG.
1963 41.8 C81
Cattle, Neutralization test, Tissue culture.

5113-68
EVALUATION OF A CERUMENOLYTIC AGENT FOR SMALL ANIMALS.
N VanHoosen H F Bean
Amer Vet Med Ass J 139(12):1299-1302, 5 REFS.
15 Dec 1961 41.8 AM3
Cerumen, Cerumenolytic agent, Small animals.

5114-68
EFFECTS OF A COMBINATION OF ANTIBIOTICS ADMINISTERED FOR PREVENTION OF PASTURE BLOAT.
H H VanHorn Jr N L Jacobson P A Hartman A D McGilliard
J Anim Sci 22(2):399-409, 11 REFS., 6 TABS.
May 1963 49 J82
Bloat, Cattle, Chloramphenicol, Erythromycin, Penicillin.

5115-68
RELATIVE EFFECTIVENESS OF VARIOUS ANTI-FOAMING AGENTS FOR PASTURE BLOAT THERAPY.
H H VanHorn Jr S M Kassir N L Jacobson P R Shellenberger D K Hotchkiss B S Allen
J Anim Sci 22(1):86-92, 15 REFS., 1 TAB.
Feb 1963 49 J82
Bloat, Cattle, Oils.

5116-68
ISOLATION OF FLURY RABIES VACCINE VIRUS FROM THE SALIVARY GLAND OF A CAT.
J B Vaughin P Gerhardt
Amer Vet Med Ass J 139(2):221-223, 9 REFS.
15 Jul 1961 41.8 AM3
Cats, Flury rabies, Rabies, Rabies vaccines.

5117-68
HEPATOCYSTIC KOCHI IN CERCOPITHECUS MONKEYS.
J H Vickers
Amer Vet Med Ass J 149(7):906-908, 4 REFS., 1 TAB.
Oct 1966 41.8 AM3
Liver, Monkeys.

5118-68
ANTIUREASE IN BRUCELLOSIS AND TUBERCULOSIS.
W J Visek M E Iwert A Thomson J H Rust
J Anim Sci 22(4):1141
Nov 1963 49 J82
Antibodies, Antigens, Brucellosis, Tuberculosis, Urease.

5119-68
PORTOSYSTEMIC COMMUNICATIONS IN ANIMALS WITH HEPATIC CIRRHOSIS AND MALIGNANT LYMPHOMA.
A Vitums
Amer Vet Med Ass J 138(1):31-34, 20 REFS., 3 FIGS.
01 Jan 1961 41.8 AM3
Cats, Cirrhosis, Dogs, Lymphoma,
Portosystemic communications.

5120-68
STUDIES ON BOVINE OCULAR SQUAMOUS CARCINOMA (CANCER EYE) XIV. HERITABILITIES, PHENOTYPIC CORRELATIONS, AND GENETIC CORRELATIONS INVOLVING CORNEOSCLERAL AND LID PIGMENTATION.
D W Vogt D E Anderson G T Easley
J Anim Sci 22(3):762-766, 10 REFS., 3 TABS.
Aug 1963 49 J82
Cancer eye, Cattle, Heredity, Pigmentation.

5121-68
GLOSSITIS IN FEEDLOT CATTLE.
W L Wake
Amer Vet Med Ass J 138(1):7-8, 2 FIGS.
01 Jan 1961 41.8 AM3
Beef cattle, Cattle breeds, Glossitis.

5122-68
THE EFFECTS OF FEEDING VARIOUS LEVELS OF VITAMIN A ON CHICKS WITH CECAL COCCIDIOSIS.
P W Waldroup C F Simpson D D Cox R H Harms
Poultry Sci 42(1):274-275, 5 REFS.
Jan 1963 47.8 AM33P
Chicks, Coccidiosis, Vitamin a.

5123-68
PARASITE CONTROL IN HORSES.
E R Walker
Amer Vet Med Ass J 138(5):256
01 Mar 1961 41.8 AM3
Carbon disulfide, Carob bean flour, Horses, Phenothiazine, Strongylosis.

5124-68
ISOLATION OF EDWARDSIELLA TARDA FROM A SEA LION AND TWO ALLIGATORS.
L J Wallace F H White H L Gore
Amer Vet Med Ass J 149(7):881-883, 3 REFS.
Oct 1966 41.8 AM3
Chloramphenicol, Wildlife.

5125-68
HISTOPATHOLOGIC LESIONS OF INDUCED PORCINE RINDERPEST INFECTION.
W G Walter
Cornell Vet 54:335-352, 5 REFS., 16 FIGS.
1964 41.8 C81
Necrosis, Phagocytosis, Rinderpest, Swine.

5126-68
MYCOSIS AND BRISKET DISEASE IN CATTLE.
L E Washburn
J Anim Sci 22(3):806
Aug 1963 49 J82
Brisket disease, Cattle, Mycosis.

5127-68
MODE OF INHERITANCE OF RESISTANCE TO INDUCED ERYTHROBLASTOSIS IN CHICKENS.
N F Waters B R Burmester
Poultry Sci 42(1):95-102, 7 REFS.
Jan 1963 47.8 AM33P
Chickens, Erythroblastosis.

5128-68
SOME ASPECTS OF FOOTROT IN SHEEP.
D F Watson
Amer Vet Med Ass J 139(10):1093-1094,
15 Nov 1961 41.8 AM3
Fusiformis plauti-vincenti, Preventive medicine, Sheep.

5129-68
A CORRELATIVE STUDY OF BONE MARROW AND PERIPHERAL BLOOD IN BOVINE LYMPHOSARCOMA.
W T Weber R R Marshak
Amer J Vet Res 24(100):515-524, 43 REFS., 4 TABS.
May 1963 41.8 AM3A
Anemia, Bone marrow, Cattle, Lymphosarcoma.

5130-68
INFLUENCE OF SODIUM NITRATE, VITAMIN A AND PROTEIN LEVEL ON FEEDLOT PERFORMANCE AND VITAMIN A STATUS OF FATTENING CATTLE.
B A Weichenthal L B Emery R J Emerick F W Whetzal
J Anim Sci 22(4):979-984, 26 REFS., 5 TABS.
Nov 1963 49 J82
Cattle, Fattening, Sodium nitrate, Vitamin A.

5131-68
PASTEURELLOSIS OF CATTLE: CLINICAL AND EPIDEMIOLOGICAL OBSERVATIONS IN THE ANKOLE DISTRICT OF UGANDA 1953-1961.
E A Wells
Brit Vet J 118(8):336-344, TABS.
Aug 1962 41.8 V643
Cattle, Pasteurella, Shipping fever, Uganda, Vagina.

5132-68
FURTHER ELECTRON MICROSCOPIC OBSERVATIONS OF A STRAIN OF VIBRIO FETUS.
H J Werner
Amer J Vet Res 24(101):881-883, 4 REFS.
Jul 1963 41.8 AM3A
Phosphates, Plasma membrane, Vibrio fetus bacterins.

5133-68
SEROLOGICAL TYPING OF COAGULASE POSITIVE STAPHYLOCOCCI ISOLATED FROM THE BOVINE UDDER.
F White E A S Rattray D J G Davidson
J Comp Pathol 72(1):19-28, 22 REFS.
Jan 1962 41.8 J82
Dairy cattle, Staphylococcus.

5134-68
LEPTOSPIRAL AGGLUTININS IN SNAKE SERUMS.
F H White
Amer J Vet Res 24(98):179-182, 8 REFS., 2 TABS.
Jan 1963 41.8 AM3A
Agglutination test, Leptospirosis, Serum, Snakes.

5135-68
TUBERCULIN SENSITIVITY FROM ORAL ADMINISTRATION OF KILLED MYCOBACTERIA TUBERCULOSIS.
G L Whitehead O D Corson

30 5136-68

Cornell Vet 52(1):36-39, 3 REFS.
Jan 1962 41.8 C81
Cattle, Tuberculin test, Tuberculosis.

5136-68
THE INFLUENCE OF BEREDITY AND ENVIRONMENT ON MAXIMUM HEMATOCRIT VALUES IN SHEEP.
J H Whitlock
Cornell Vet 53:534-550, 10 REFS., 8 TABS., 3 FIGS.
1963 41.8 C81
Epidemiology, Haemonchus, Hematocrit values, Sheep, Strongylatosis.

5137-68
THE HISTOPATHOLOGY OF THE CENTRAL NERVOUS SYSTEM IN FOWL PARALYSIS.
P A L Wight
J Comp Pathol 72(4):348-359, 19 REFS.
Oct 1962 41.8 J82
Avian lymphomatosis, Central nervous system, Chickens.

5138-68
COLOSTRAL ANTIBODY TO RABIES IN CATTLE VACCINATED WITH HEP FLURY STRAIN OF THE VIRUS.
H E Williams
Can J Comp Med Vet Sci 25(12):320
Dec 1961 41.8 C162
Cattle, Immunization, Rabies.
Amer. J. Vet. Res. 22:902, 1961

5139-68
COLOSTRAL ANTIBODIES TO RABIES IN CATTLE.
H E Williams
Amer Vet Med Ass J 140(11):1211
01 Jun 1962 41.8 AM3
Antibodies, Cattle, Colostrum, Immunization, Rabies.
Am. J. Vet. Res., 22, (July, 1961):902-905.

5140-68
MALIGNANT PERIANAL GLAND TUMOR WITH METASTASIS IN A DOG.
J E Willson D E Brown
Amer Vet Med Ass J 144(4):389-394, 15 REFS.
15 Feb 1964 41.8 AM3
Anal gland, Dogs, Metastasis, Neoplasms.

5141-68
PROPAGATION OF EQUINE ARTERITIS VIRUS PREVIOUSLY ADAPTED TO CELL CULTURES OF EQUINE KIDNEY IN MONOLAYER CULTURES OF HAMPSTER KIDNEY.
J C Wilson E R Doll W H McCollum J Cheatham
Cornell Vet 52(2):204-205, 5 REFS.
Apr 1962 41.8 C81
Equine influenza, Tissue culture.

5142-68
FALLOUT AND LIVESTOCK--SOME OBSERVATIONS ON THE SITUATION AS IT APPEARS TODAY.
W G Wisecup
Amer Vet Med Ass J 140(3):236-240, 29 REFS., 3 TABS.
01 Feb 1962 41.8 AM3
Decontamination, Livestock, Radioactive contamination.

5143-68
PRESHIPMENT VACCINATION OF FEEDER CATTLE WITH BOVINE PARA-INFLUENZA VACCINE.
G T Woods S K Sinha J A McKeown C A Brandly
Amer Vet Med Ass J 139(11):1208-1211, 9 REFS.
01 Dec 1961 41.8 AM3
Beef cattle, Immunization.

5144-68
CANINE DISTEMPER IMMUNIZATION.
C J York G R Burch
Amer Vet Med Ass J 138(6):298-301, 5 TABS.
15 Mar 1961 41.8 AM3
Canine distemper, Dogs, Immunization.

5145-68
SWINE REPOPULATION. V. CERTIFICATION AND FARM PERFORMANCE OF SECONDARY SPECIFIC-PATHOGEN-FREE (SPC) PIGS.
G A Young N R Underdahl L C Welch J D Caldwell
Amer Vet Med Ass J 140(11):1196-1200, 12 REFS., 5 TABS.
01 Jun 1962 41.8 AM3
Health, Swine.

5146-68
HYPOMYELINDGENESIS CONGENITA (CEREBELLAR ATAXIA) IN ANGUS-SHORTHORN CALVES.
S Young
Cornell Vet 52(1):84-93, 6 REFS.
Jan 1962 41.8 C81
Aberdeen angus cattle, Ataxia, Brain diseases, Heredity.

5147-68
EFFECT OF CALCIUM AND PHOSPHORUS LEVELS ON BABY PIG PERFORMANCE.
D R Zimmerman V C Speer V W Hays D V Catron
J Anim Sci 22(3):658-661, 12 REFS., 7 TABS.
Aug 1963 49 J82
Baby pigs, Calcium, Phosphorus.

5148-68
TRICHINIASIS IN IOWA SWINE WITH FURTHER STUDIES ON MODES OF TRANSMISSION.
W J Zimmermann E D Hubbard L H Schwarte H E Biester
Cornell Vet 52(2)156-163, 14 REFS., 1 TAB.
Apr 1962 41.8 C81
Feces, Swine, Trichinosis.

5149-68
A COMPARATIVE STUDY OF EARLY BRAIN LESIONS OF GOATS INOCULATED WITH SCRAPIE GOAT BRAIN BY TAE INTRACEREBRAL AND THE SUBCUTANEOUS ROUTES.
I Zlotnik
J Comp Pathol 72(4):366-373, 10 REFS.
Oct 1962 41.8 J82
Brain, Brain extracts, Goats, Histopathology, Scrapie.

5150-68
THE PATHOLOGY OF THE BRAIN OF MICE INOCULATED WITH TISSUES FROM SCRAPIE SHEEP.
I Zlotnik J C Rennie
J Comp Pathol 72(4):360-365, 5 REFS.
Oct 1962 41.8 J82
Brain, Mice, Scrapie, Sheep.

5151-68
EFFECT OF CONVALESCENT CANINE PLASMA, IMMUNE PLASMA, VACCINES, AND ANTIBIOTICS ON MORTALITY IN A CONTAMINATED ENVIRONMENT.
P E Zollman
Amer Vet Med Ass J 139(11):1195-1198, 6 REFS., 5 TABS.
01 Dec 1961 41.8 AM3
Antibiotics, Canine plasma, Dogs, Immune plasma, Immunochemistry.

5152-68
IMMUNOGENICITY OF TWO INFECTIOUS BOVINE RHINOTRACHEITIS VACCINES.
F Zuschek T L Chow
Amer Vet Med Ass J 139(2):236-237, 7 REFS.
15 Jul 1961 41.8 AM3
Bovine rhinotracheitis vaccines, Immunogenicity, Infectious bovine rhinotracheitis virus.

Arthropods

5153-68
TOXICITY TO FACE FLY AND HOUSE FLY LARVAE OF FECES FROM INSECTICIDE-FED CATTLE.
D W Anthony N W Hooven O Bodenstein
J Econ Entomol 54(3):406
Jun 1961 421 J822
Bayer 22408, Cattle, Co-Ral,
Diethyl phosphorothioate, O,3-chloro-4-methylbelliferone,,
Diethyl O-naphthalimido phosphorothioate, O,O- ,
Musca domestica, Ronnel, O, O-.

5154-68
EFFECT OF FEEDING BACILLUS THURINGIENSIS TO CAGED LAYERS FOR FLY CONTROL.
E C Burns B H Wilson B A Tower
J Econ Entomol 54(5):913-915, 4 REFS.
Aug 1961 421 J822
Animal cages, Bacillus, Feeding, Musca domestica.

5155-68
ABSORPTION AND METABOLISM OF BAYER 22408 BY DAIRY COWS AND RESIDUES IN THE MILK.
J R Buttram B W Arthur
J Econ Entomol 54(3)446-451, 13 REFS., 4 FIGS., 4 TABS.
Jun 1961 421 J822

Absorption, Bayer 22408, Dairy cows,
Diethyl O-naphthalimido phosphorothioate, O,O- ,
Insecticide residues, Metabolism, Milk, Musca domestica.

5156-68
A THREE-YEAR STUDY ON THE EFFECT OF FLY CONTROL ON MILK PRODUCTION BY SELECTED AND RANDOMIZED DAIRY HERDS.
T-h Cheng E M Kesler
J Econ Entomol 54(4):751-757, 9 REFS.
Aug 1961 421 J822
Dairy cattle, Milk, Musca domestica.

5157-68
FLY CONTROL IN DAIRY BARNS SPRAYED WITH DIMETHOATE AND THE DETERMINATION OF DIMETHOATE RESIDUES IN MILK.
T-h Cheng D E H Frear H F Encs Jr
J Econ Entomol 54(4):740-742
Aug 1961 421 J822
Dairy barns, Dimethoate, Haemotobia, Livestock,
Musca domestica, Residues, Stomoxys.

5158-68
METHOXYCHLOR IN MILK OF DAIRY COWS DUSTED WITH THE WETTABLE POWDER.
G R DeFoliart D N Willett
J Econ Entomol 54(5):871-873, 7 REFS.
Aug 1961 421 J822
Cattle, Dusting, Haematobia, Methoxychlor, Milk.

5159-68
BARN FOGGING AS A FLY CONTROL METHOD.
G R DeFoliart J L Eschle
J Econ Entomol 54(5):862-865, 1 REF.
Aug 1961 421 J822
Barns, Fog, Haematobia, Livestock, Musca domestica,
Pyrethrum, Stomoxys.

5160-68
CONTROL OF FACE FLIES, MUSCA AUTUMNALIS ON BEEF CATTLE IN INDIANA.
R C Dobson D A Huber
J Econ Entomol 54(3):434-436, 4 REFS., 1 FIG.
Jun 1961 421 J822
Cattle, DDT , Musca, Toxaphene.

5161-68
LOW-VOLUME, HIGH CONCENTRATION SPRAYING FOR HORN FLY AND FACE FLY CONTROL ON BEEF CATTLE.
R C Dobson D P Sanders
J Econ Entomol 58(2):379
Apr 1965 421 J822
Cattle, Haematobia, Insect control, Malathion, Musca.

5162-68
RESIDUES IN TISSUES AND EGGS OF POULTRY DUSTED WITH CO-RAL (BAYER 21-199).
H W Dorough U E Brady J A Timmerman Jr B W Arthur
J Econ Entomol 54(1):25-30
Feb 1961 421 J822
Coumaphos, Insects, Poultry.

5163-68
TOXICITY OF SEVERAL ORGANOPHOSPHATES ADMINISTERED IN THE DIET OF BROILERS TO HOUSE FLY LARVAE IN THE FECES.
H W Dorough B W Arthur
J Econ Entomol 54(6):1117-1121, 19 REFS.
Dec 1961 421 J822
Butonate, Date, Diet, Feces, Fenthion, Larvae,
Musca domestica,
O-4-tert-butyl-2-chlorophenyl O-methyl methylphosphorami-,
Poultry, Ronnel, Ruelene.

5164-68
RESIDUES IN TISSUES AND EGGS OF POULTRY RECEIVING CO-RAL (BAYER 21-199) IN THE FEED.
H W Dorough U E Jr. Brady J A Timmerman B W Arthur
J Econ Entomol 54(1):97-100
Feb 1961 421 J822
Coumaphos, Insecticide residues, Poultry.

5165-68
TESTS WITH SPRAYS OF GENERAL CHEMICAL 4072 FOR SYSTEMIC CONTROL OF CATTLE GRUBS.
R O Drummond
J Econ Entomol 54(5):1047, 1 REF.
Aug 1961 421 J822
Cattle,
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate,
General Chemical 4072, Hypoderma.

5166-68
TOXICITY TO FLY LARVAE OF THE FECES OF INSECTICIDE-FED CATTLE.
G W Eddy A R Roth
J Econ Entomol 54(3):408-411, 7 REFS., 3 TABS.
Jun 1961 421 J822
Bayer 22408, Cattle, Co-Ral,
Diethyl phosphorothioate, O,3-chloro-4-methylbelliferone,,
Diethyl O-naphthalimido phosphorothioate, O,O- , Haematobia,
Musca, Musca domestica, O, O-, Stomoxys, Toxicology.

5167-68
EXPERIMENTS ON CONTROL OF THE FACE FLY.
J H Fales J C Keller O F Bodenstein
J Econ Entomol 54(6):1147-1151, 5 REFS., 4 FIGS.
Dec 1961 421 J822
Cattle, Dichlorvos, Malathion, Maryland, Methoxchlor, Musca,
Piperonyl butoxide, Pyrethrum, Trichlorfon.

5168-68
RESISTANCE TO CHLORINATED HYDROCARBON INSECTICIDES IN THE EYE GNAT, HIPPELATES COLLUSOR.
G P Georghiou M S Mulla
J Econ Entomol 54(4):695-698, 2 REFS.
Aug 1961 421 J822
Dieldrin, DDT , Hippelates, Lindane, Parathion.

5169-68
BACILLUS THURINGIENSIS AS A FEED ADDITIVE TO CONTROL DIPTEROUS PESTS OF CATTLE.
R E Gingrich
J Econ Entomol 58(2):363-364, 4 REFS., 1 TAB., 1 FIG.
Apr 1965 421 J822
Bacillus, Bakthane L-69, Biotrol B.T.B , Cattle, Haematobia,
Insect control, Musca domestica, Stomoxys, S2-97.

5170-68
THE PRIMARY EVALUATION OF THREE ORGANOPHOSPHORUS COMPOUNDS FOR POSSIBLE USE IN THE CONTROL OF LIVESTOCK INSECTS.
O H Graham
J Econ Entomol 54(5):1046-1047, 2 REFS.
Aug 1961 421 J822
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate),2-,
Chloro-1-(2,5-dichlorophenyl)vinyl diethyl phosphate),2-,
Dichlorophenyl)-2,2-dichlorovinyl diethyl phosphate),1-(2,5-*
General Chemical 3582, General Chemical 3583,
General Chemical 4072, Insects, Livestock.

5171-68
TESTS AGAINST FACE FLIES ON CATTLE IN NEW JERSEY DURING 1960.
P Granett E J Hansens
J Econ Entomol 54(3):562-566, 3 REFS.
Jun 1961 421 J822
Carbaryl, Coumaphos, Dairy cattle, Diazinon, Dichlorvos,
Dimethoate, Diptera, Musca, Naled, Trichlorfon.

5172-68
EFFECTIVENESS OF RUELENE AND RONNEL FOR EAR TICK COMPARED WITH CATTLE GRUB CONTROL.
T L Harvey J R Brethour
J Econ Entomol 54(4):814-815, 5 REFS.
Aug 1961 421 J822
Cattle, Date,
O-4-tert-butyl-2-chlorophenyl O-methyl methylphosphorami-,
Otobius, Ronnel, Ruelene.

5173-68
HOG LOUSE CONTROL BY GROUND TREATMENT.
W T Johnson
J Econ Entomol 54(4):821, 1 REF.
Aug 1961 421 J822
Dimethoate, Haematopinus, Ronnel, Swine.

5174-68
THE EFFECT OF FREE-CHOICE COUMAPHOS SALT MIXTURES ON CATTLE AND CATTLE PARASITES.
F W Knapp
J Econ Entomol 58(2):197-199, TABS.
Apr 1965 421 J822
Coumaphos, Haematobia irritans, Musca.

5175-68
OBSERVATIONS ON TICK-TRANSMISSION OF LOUPING-ILL TO SHEEP.
J MacLeod
J Comp Pathol 72(4):411-419, 9 REFS.
Oct 1962 41.8 J82
Ixodes, Louping ill, Sheep, Tick-borne fever (sheep).

5176-68
PHORESY IN XENUFENS (HYMENOPTERA:TRICHOGRAMMATIDAE), A PARASITE OF CALIGO EURILOCHUS (LEPIDOPTERA: NYMPHALIDAE).
F Malo
J Econ Entomol 54(3):465-466, 3 REFS.
Jun 1961 421 J822
Bananas, Parasitic insects, Xenufens.

5177-68
EFFECT OF SYNTHETIC QUEEN SUBSTANCE AND SOME RELATED CHEMICALS ON IMMATURE STAGES OF AEDES AEGYPTI.
M S Quraishi A J Thorsteinson
J Econ Entomol 58(2):185-187, TABS.
Apr 1965 421 J822
Aedes aegypti, Culcidae, Oxodec-trans-2-enoic acid, 9-, Queen bees.

5178-68
PRACTICAL APPLICATION METHODS FOR SYSTEMIC CATTLE GRUB CONTROL.
E S Raun F E French
J Econ Entomol 54(3):428-430, 4 TABS.
Jun 1961 421 J822
Butyl-2-chlorophenyl methyl methyl phosphoramidate, 4-tert-, Cattle, Co-Ral, Diethyl phosphorothioate, O-3-chloro-4-methylumbelliferone,, Hypoderma, O,O- , Ruelene.

5179-68
CONTROL OF HORN FLIES AND STABLE FLIES WITH THREE GENERAL CHEMICAL COMPOUNDS.
R H Roberts M J Wrich R A Hoffman C M Jones
J Econ Entomol 54(5):1047-1049, 2 REFS.
Aug 1961 421 J822
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Chloro-1-(2,5-dichlorophenyl)vinyl diethyl phosphate, 2-, Dichlorophenyl)-2,2-dichlorovinyl diethyl phosphate, 1-(2,5-* General Chemical 3582, General Chemical 3583, General Chemical 4072, Haematobia, Livestock, Stomoxys.

5180-68
SICKTIGHT FLEA CONTROL ON CHICKENS WITH MALATHION DUST SELF-TREATMENT.
J L Rodriguez L A Riehl
J Econ Entomol 54(6):1212-1214, 5 REFS.
Dec 1961 421 J822
Chicks, DDT , Malathion, Siphonaptera.

5181-68
HORN FLY CONTROL BY THE POUR-ON TECHNIQUE USING RUELENE OR TOXAPHENE.
W M Rogoff P H Kohler
J Econ Entomol 54(6):1101-1104, 3 REFS.
Dec 1961 421 J822
Cattle, Date, Haematobia, O-4-tert-butyl-2-chlorophenyl O-methyl methylphosphorami-, Ruelene, Toxaphene.

5182-68
FIELD TESTS WITH NEW CATTLE GRUB SYSTEMICS.
A R Roth G W Eddy
J Econ Entomol 54(1):203-204
Feb 1961 421 J822
Bayer 22408, Cattle, Co-Ral, Fenthion, Hypoderma, O-(3-chloro-4-methylumbelliferone) O,O-diethyl phosphoro-, O,O-diethyl O-naphthalimido phosphorothioate, Thioate, Turlrnr.

5183-68
ANEMIA IN RANGE CATTLE HEAVILY INFESTED WITH THE SHORT-NOSED SUCKING LOUSE, HAEMATOPINUS EURYSTERNUS (NITZ.) (ANDPLURA: HAEMATOPINIDAE).
J A Shemanchuk W O Haufe C O M Thompson
Can J Comp Med Vet Sci 24(5):158-161, 3 REFS.
May 1960 41.8 C162
Anemia, Cattle, Haematopinus eurysternus.

5184-68
TOXICITY TO FLY LARVAE OF DROPPINGS FROM CHICKS REARED ON INSECTICIDE-TREATED FEED.
M Sherman G H Komatsu
J Econ Entomol 58(2):203-206, TABS.
Apr 1965 421 J822
Bidrin, Chrysomya, Fannia, Musca domestica, Parasarcophaga, Poultry manure.

5185-68
CONTROL OF CATTLE GRUBS AND HORN FLIES BY SUMMER DIPPING WITH CO-RAL.
J S Simco J L Lancaster Jr
J Econ Entomol 54(1):208-209
Feb 1961 421 J822
Cattle, Co-Ral, Hypoderma, O-(3-chloro-4-methylumbelliferone)O,O-diethyl phosphoro-, Phosphorothioate), Thioate..

5186-68
ARTIFICIAL INFESTATIONS OF THE NORTHERN CATTLE GRUB, HYPODERMA BOVIS, IN TEXAS.
J Weintraub W S McGregor H M Brundrett
J Econ Entomol 54(1):84-87
Feb 1961 421 J822
Cattle, Hypoderma, Texas.

5187-68
COMPARISON OF RONNEL, DOWCO 109, AND DOWCO 105 FOR SYTEMATIC CONTROL OF CATTLE GRUBS IN ALBERTA.
J Weintraub C O M Thompson
J Econ Entomol 54(1):79-84
Feb 1961 421 J822
Cattle, Chemical control (pests), Dowco 105, Dowco 109, Ethylphosphoramidothioate, Hypoderma, Methylphosphoramidothioate, O-4-tert-butyl-2-chlorophenyl O-methyl, Ronnel.

5188-68
A COMPARISON OF CO-RAL, RONNEL, AND RUELENE DUSTS FOR SCREW-WORM CONTROL.
M J Wrich
J Econ Entomol 54(5):941-945, 5 REFS., 3 FIGS.
Aug 1961 421 J822
Callitroga, Coumaphos, Date, Livestock, O-4-tert-butyl-2-chloro-phenyl O-methyl methylphosphorami-, Ronnel, Ruelene.

5189-68
TOXICITY OF GENERAL CHEMICAL COMPOUNDS 3582, 3583, AND 4072 TO SCREW-WORMS IN LABORATORY AND FIELD TESTS.
M J Wrich W F Chamberlain C L Smith
J Econ Entomol 54(5):1049-1050, 3 REFS.
Aug 1961 421 J822
Callitroga, Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, Chloro-1-(2,5-dichlorophenyl)vinyl diethyl phosphate, 2-, Dichlorophenyl)-2,2-dichlorovinyl diethyl phosphate, 1-(2,5-* General Chemical 3582, General Chemical 3583, General Chemical 4072, Toxicology.

Parasites

5190-68
A NEW APPROACH TO ANTHELMINTIC THERAPY FOR SHEEP AND CATTLE. METHYRIDINE.
Can J Comp Med Vet Sci 25(7):184
Jul 1961 41.8 C162
Anthelmintics, Cattle, Sheep.

5191-68
CONTROLLED TESTS WITH BEPHENIUM HYDROXYNAPHTHOATE AS AN ANTHELMINTIC AGAINST NEMATODIRUS BATTUS IN SHEEP.
Can J Comp Med Vet Sci 24(5):153
May 1960 41.8 C162
Anthelmintics, Bephenium hydroxynaphthoate, Nematodirus, Sheep.

5192-68
ANTHELMINTIC VACCINES.
Can J Comp Med Vet Sci 24(11):341
Nov 1960 41.8 C162
Immunization, Vaccines.

5193-68
THE USE OF BEPHENIUM CHLORIDE IN THE TREATMENT OF ANCLYOSTOMA CANINUM INFECTIONS IN DOGS WHEN OTHER ANTHELMINTICS ARE CONTRAINDICATED.
Can J Comp Med Vet Sci 24(6):176
Jun 1960 41.8 C162
Ancylostoma caninum, Ancylostomiasis, Bephenium chloride, Dogs.

5194-68
DETECTION OF LEPTOSPIRA POMONA IN GUINEA PIG AND BOVINE URINE WITH FLUORESCEIN-LABELLED ANTIBODY.
Can J Comp Med Vet Sci 24(4):137
Apr 1960 41.8 C162
Calves, Fluorescein antibody, Guinea pigs, Leptospira pomona bacterins, Serodiagnosis.

5195-68
CRITICAL TESTS OF HYGROMYCIN B AS AN ASCARIDE OF SWINE.
Can J Comp Med Vet Sci 24(5):153
May 1960 41.8 C162
Anthelmintics, Ascaris, Hygromycin B, Swine.

5196-68
SOME EXPERIENCES WITH SMALL DAILY DOSES OF PHENOTHIAZINE AS A MEANS OF CONTROL OF STRONGYLID WORMS IN THE HORSE.
Can J Comp Med Vet Sci 24(5):153
May 1960 41.8 C162
Drug therapy, Horses, Phenothiazine, Strongylids.

5197-68
THE EFFICACY OF THIABENDAZOLE AND BEPHENIUM HYDROXYNAPHTHOATE AGAINST OSTERTAGIA OSTERTAGI AND COOPERIA ONCOPHORA IN EXPERIMENTALLY INFECTED CALVES.
E R Ames J M Cheney R Rubin
Amer J Vet Res 24(99):295-298, 12 REFS., 2 TABS.
Mar 1963 41.8 AM3A
Bephenium hydroxynaphthoate, Calves, Cooperia, Ostertagiasis, Thiabenzadole.

5198-68
HELMINTHIASIS OF SHEEP IN SOUTHERN GEORGIA.
W W Becklund
Amer Vet Med Ass J 139(7):781-784, 3 REFS.
01 Oct 1961 41.8 AM3
Georgia, Helminthiasis, Sheep.

5199-68
COCCIDIAL OOCYSTS (EIMERIA LEUCKARTI) FROM NORTH AMERICAN DONKEYS (ASINUS ASINUS).
E A Benbrook M W Sloss
Amer Vet Med Ass J 140(8):817-818, 9 REFS.
15 Apr 1962 41.8 AM3
Anthelmintics, Asses, Coccidiosis.

5200-68
TREATMENT OF TRICHURIS VULPIS INFECTION OF DOGS WITH GLYCOBIARSOL.
D A Berberian J B Poole H W Freele
Amer J Vet Res 24(101):819-821, 16 REFS.
Jul 1963 41.8 AM3A
Bismuth glycolyl arsanilate, Dogs, Trichuris.

5201-68
PARAGONIMIASIS IN A DOG AND A CAT.
G E Bisgard R E Lewis
Amer Vet Med Ass J 144(5):501-507, 11 REFS.
15 Mar 1964 41.8 AM3
Dogs, Domestic short-hair cats, Lungs, Paragonimiasis, Surgery.

5202-68
CRYPTOCOCCOSIS IN A DOG AND TREATMENT WITH AMPHOTERICIN B.
K C Bovee J D Conroy S A Rosenthal
Amer Vet Med Ass J 149(1):49-55, 19 REFS., 1 TAB.
Jul 1966 41.8 AM3
Amphotericin B, Cryptococcosis, Dogs.

5203-68
LARVICIDAL ACTIVITY OF DITHIAZANINE IODIDE ADMINISTERED IN FEED TO PIGS WITH ARTIFICIAL INFECTIONS OF ASCARIS SUUM.
G Brody E C Wuest
Amer J Vet Res 24(100):460-466, 11 REFS., 5 TABS.
May 1963 41.8 AM3A
Ascariasis, Dithiazanine iodide, Feed, Larvae, Swine.

5204-68
RINGWORM WITH COMPLICATING ACANTHOSIS IN SWINE.
G R Carter M W Glenn
Amer Vet Med Ass J 149(1):42-45, 2 REFS.
Jul 1966 41.8 AM3
Acanthoma, Motor fuels, Ringworm, Swine.

5205-68
EFFECT ON WEANING AGE AND CREEP RATIONS ON PARASITISM IN LAMBS.
H Ciordia W E Bizzell D M Baird H C McCampbell
J Anim Sci 22(1):237
Feb 1963 49 J82
Lambs, Parasites, Weaning.

5206-68
FASCIOLIASIS IN A MEXICAN BURRO.
D R Collins
Amer Vet Med Ass J 139(12):1321-1321-1323, 12 REFS., 3 FIGS.
15 Dec 1961 41.8 AM3
Asses, Pasciola hepatica, Fascioliasis, Mexican burros.

5207-68
CATTLE PARASITE CONTROL.
Agr Chem 19(5):92
May 1964 381 AG8
Cattle, Drugs, Hypoderma.

5208-68
BLOOD EOSINOPHIL RESPONSE OF CALVES TO NORMAL AND IRRADIATED LARVAE OF DICTYOCAULUS VIVIPARUS.
R L Cornwell
J Comp Pathol 72(2):170-180, 8 REFS.
Apr 1962 41.8 J82
Calves, Dictyocaulus, Eosinophils, Immunization, Larvae, X-rays.

5209-68
PRODUCTION OF IMMUNITY TO DICTYOCAULUS VIVIPARUS BY THE PARENTERAL ADMINISTRATION OF FOURTH STAGE LARVAE.
R L Cornwell
J Comp Pathol 72(2):181-189, 11 REFS.
Apr 1962 41.8 J82
Calves, Dictyocaulus, Immunization, Larvae.

5210-68
TREATMENT OF CANINE LUNGWORM INFECTION WITH THIACETARSAMIDE.
L E Dietrich Jr
Amer Vet Med Ass J 140(6):572-573, 11 REFS.
15 Mar 1962 41.8 AM3
Dogs, Thiacetarsamide, Verminous bronchitis.

5211-68
CONTROLLED TEST OF THE ANTHELMINTIC ACTIVITY OF THIABENDAZOLE AND AN ORGANIC PHOSPHATE (CL 38,023) IN LAMBS.
J H Drude J Szanto
Amer J Vet Res 24(99):337-342, 34 REFS., 2 TABS
Mar 1963 41.8 AM3A
Benzimidazole, Cooperia, Haemonchosis, Lambs, Nematodiasis, Ostertagiasis.

5212-68
ANTHELMINTIC ACTIVITY OF LOW DOSES OF PIPERAZINE IN HORSES.
J H Drudge E T Lyons Z N Wyant G Elam
Amer Vet Med Ass J 140(7):678-683,114 REFS., 7 TABS.
01 Apr 1962 41.8 AM3
Ascaris, Horses, Pinworms, Piperazine.

5213-68
CRITICAL TESTS OF THIABENDAZOLE AS AN ANTHELMINTIC IN THE HORSE.
J H Drudge J Szanto Z N Wyant G Elam
Amer J Vet Res 24(103):1217-1222, 22 REFS., 4 TABS.
Nov 1963 41.8 AM3A
Horses, Thiabendazole.

5214-68
IMMUNIZATION EXPERIMENTS WITH IRRADIATED LUNGWORM LARVAE.
G T Edds L E Swanson H Engelbrecht
Amer J Vet Res 24(98):139-142, 7 REFS., 6 TABS.
Jan 1963 41.8 AM3A
Calves, Immunity, Verminous bronchitis.

5215-68
SEVERE CHRONIC CANINE DIARRHEA ASSOCIATED WITH BALANTIDIUM-TRICHURIS INFECTION.
S A Ewing R W Bull
Amer Vet Med Ass J 149(5):519-520, 6 REFS.
Sep 1966 41.8 AM3
Balantidiasis, Diarrhea, Dogs, Trichuriasis.

5216-68
THE FREQUENCY DISTRIBUTION OF SOME HELMINTH PARASITES.
G Froyd R T Clarke
Brit Vet J 118(4):151-158, TABS.
Apr 1962 41.8 V643
Ascaridia, Binomial distributions, Cysticercus, Fasciola, Frequency distribution, Helminths, Paramphistomes.

5217-68
AN ANALYSIS OF THE INCIDENCE OF HYDATID CYSTS (ECHINOCOCCUS GRANULOSUS) IN DOMESTIC FOOD ANIMALS IN NEW ZEALAND 1958--1959.

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M A Gemmell
Can J Comp Med Vet Sci 25(8):197
Aug 1961 41.8 C162
Cattle, Echinococcosis, Sheep, Swine.
New Zealand Veterinary journal 929, 1961

5218-68
A STUDY ON THE CONTROL OF LUNGWORM (DICTYOCAULUS FILARIA) IN SHEEP DURING THE WINTER MONTHS.
H C Gibbs J W Pullin
Can J Comp Med Vet Sci 24(4):115-119, 8 REFS.
Apr 1960 41.8 C162
Cyanacethydrazide, Dictyocaulus filaria, Lambs, Verminous bronchitis.

5219-68
CLINICAL EVALUATION OF SURGICAL REMOVAL OF ADULT HEARTWORMS (DIROFILARIA IMMITIS) FROM DOGS.
I M G Gourley
Amer Vet Med Ass J 139(6):684-690, 8 REFS., 3 FIGS.
15 Sep 1961 41.8 AM3
Dirofilaria immitis, Dogs, Parasitism, Surgery.

5220-68
THIOFURADENE AS AN ANTHELMENTIC AND GROWTH STIMULANT FOR SWINE.
S A Griffin G M Merriman
J Anim Sci 22(3):575-578, 7 REFS., 5 TABS.
Aug 1963 49 J82
Ascaris, Nitrofurans, Swine.

5221-68
OCCURRENCE OF SCREWWORM INFESTATION IN MINNESOTA.
H J Griffiths E F Cook
Amer Vet Med Ass J 140(12):1313, 2 REFS.
15 Jun 1962 41.8 AM3
Calves, Cochliomyia hominivorax, Lambs, Swine.

5222-68
FASCIOLOIDIASIS OF CATTLE, SHEEP AND DEER IN NORTHERN MINNESOTA.
H J Griffiths
Amer Vet Med Ass J 140(4):342-347, 8 REFS., 1 TAB.
15 Feb 1962 41.8 AM3
Cattle, Deer, Fascioloidiasis, Sheep.

5223-68
SURVEY OF MICROFILARIAE IN OHIO DOGS.
H F Groves F R Koutz
Amer Vet Med Ass J 144(6):600-602, 6 REFS., 1 TABS.
15 Mar 1964 41.8 AM3
Dogs, Filariasis, Morphology.

5224-68
SELECTION OF NEMATODES RESISTANT TO ANTHELMINTICS--THE EFFECT OF MICRONIZED PURIFIED PHENOTHIAZINE ON A RESISTANT STRAIN OF HAEMONCHUS CONTORTUS.
M R Hasche A C Todd
Amer J Vet Res 24(101):670-672, 11 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Anthelmintics, Haemonchosis, Lambs, Phenothiazine.

5225-68
EFFICACY OF THIABENDAZOLE.
S P Hebden
Amer Vet Med Ass J 140(2):163
15 Jan 1962 41.8 AM3
Anthelmintics, Phenothiazine, Sheep.
Austral. Vet. J., 37,(July,1961):264.

5226-68
A SIMPLE METHOD FOR COLLECTING LARGE NUMBERS OF LIVE GASTRO-INTESTINAL NEMATODES FROM LARGE ANIMALS.
Harry Herlich
Amer J Vet Res 25(109):1772-1773, 1 REF
Nov 1964 41.8 AM3A
Animals, Nematodes.

5227-68
INTERNAL PARASITISM OF MONKEYS WITH THE PENTASTOMID, ARMILLIFER ARMILLATUS.
W P Heuschele
Amer Vet Med Ass J 139(8):911-912, 3 REFS.
15 Oct 1961 41.8 AM3
Monkeys, Parasitism, Pentastomid, Peritonitis.

5228-68
VASCULAR LESIONS OF DIROFILARIA IMMITIS IN THE RED FOX.
R S Hirth S W Nielsen
Amer Vet Med Ass J 149(7):915-919, 21 REFS.
Oct 1966 41.8 AM3
Dirofilaria immitis, Wildlife.

5229-68
THE SAFETY OF AN ORGANIC PHOSPHORUS INSECTICIDE FOR PREGNANT CATTLE AND NURSING CALVES.
J B Jackson J Russell S F Rosner
Amer Vet Med Ass J 144(10):1127-1128, 10 REFS.
15 May 1964 41.8 AM3
Calves, Cattle, Insecticides, Pregnancy, Ruelene 25E.

5230-68
DISTRIBUTION OF HEARTWORMS IN THE RIGHT SIDE OF THE HEART AND ADJACENT VESSELS OF THE DOG.
R F Jackson G F Otto P M Bauman F Peacock W L Hinrichs
Amer Vet Med Ass J 149(5):515-518, 5 REFS., 3 TABS.
Sep 1966 41.8 AM3
Dirofilaria immitis, Dogs.

5231-68
IMMUNIZATION AND PARENTERAL CHEMOTHERAPY FOR THE CONTROL OF CATTLE GRUBS HYPODERMA LINEATUM (DE VILL.) AND H. BOVIS (L.) IN CATTLE.
M A Khan R Connell C le Q Darcel
Can J Comp Med Vet Sci 24(6):177-180, 6 REFS.
Jun 1960 41.8 C162
Calves, Dimethoate, Drug therapy, Hypoderma, Immunization.

5232-68
ANTHELMINTIC ACTIVITY OF TWO ORGANIC PHOSPHORUS COMPOUNDS AND PHENOTHIAZINE IN SHEEP.
S E Knapp W D Mosher
Amer J Vet Res 24(98):69-71, 12 REFS., 3 TABS.
Jan 1963 41.8 AM3A
Cooperia, Coumaphos, Lambs, Ostertagiasis, Phenothiazine, Trichostrongylosis.

5233-68
ANAPLASMOSIS. XII. THE GROWTH AND SURVIVAL IN DEER AND SHEEP OF THE PARASITES PRESENT IN THE BLOOD OF CALVES INFECTED WITH THE OREGON STRAIN OF ANAPLASMA MARGINALE.
J P Kreier M Ristic
Amer J Vet Res 24(101):697-702, 8 REFS., 3 TABS.
Jul 1963 41.8 AM3A
Anaplasmosis, Calves, Parasites.

5234-68
ANAPLASMOSIS. XI. IMMUNOSEROLOGIC CHARACTERISTICS OF THE PARASITES PRESENT IN THE BLOOD OF CALVES INFECTED WITH THE OREGON STRAIN OF ANAPLASMA MARGINALE.
J P Kreier M Ristic
Amer J Vet Res 24(101):688-696, 12 REFS., 8 FIGS.
Jul 1963 41.8 AM3A
Anaplasma, Anaplasmosis, Blood, Calves, Oregon, Serological tests.

5235-68
ANAPLASMOSIS. X. MORPHOLOGIC CHARACTERISTICS OF THE PARASITES PRESENT IN THE BLOOD OF CALVES INFECTED WITH THE OREGON STRAIN OF ANAPLASMA MARGINALE.
J P Kreier M Ristic
Amer J Vet Res 24(101):676-687, 28 REFS., 1 TAB.
Jul 1963 41.8 AM3A
Anaplasmosis, Calves, Erythrocytes.

5236-68
COMPARATIVE THERAPEUTIC EFFICACY OF CARBON TETRACHLORIDE, HEXACHLOROETHANE, AND ME 3625 IN FASCIOLA HEPATICA INFECTIONS OF SHEEP.
K L Kuttler N J Matthews D W Marble
Amer J Vet Res 24(98):52-58, 24 REFS., 5 TABS.
Jan 1963 41.8 AM3A
Bayer 9015, Fascioliasis, Hexachloroethane, Sheep.

5237-68
DRYLOT VERSUS PASTURE LAMBING TO CONTROL INTERNAL PARASITES.
P E Loggins L E Swanson M Koger
J Anim Sci 22(1):236-237, NO.4
Feb 1963 49 J82
Lambs, Methyl bromide, Parasites, Parturition, Pastures, Piperazine.

5238-68
CONTROL OF CATTLE GRUBS BY THE INTRAMUSCULAR INJECTION OF BAYER 29493 OR CL38023.
W C Marquardt W W Hawkins Jr
Cornell Vet 52(2):228-236, 9 REFS. 1 TAB.
Apr 1962 41.8 C81
Cattle, Dimethoate, Penthion, Hypoderma.

5239-68
AFRICAN HORSE SICKNESS--WITH EMPHASIS ON PATHOLOGY.
F D Maurer R M McCully
Amer J Vet Res 24(99):235-266, 22 REFS.
Mar 1963 41.8 AM3A
African horse sickness, Asses, Culicidae, Horses, Vaccines, Viremia.

5240-68
CAPILLARIA PLICA INFECTION IN A DOG.
W Medway J F Skelley
Amer Vet Med Ass J 139(8):907-908, 5 REFS.
15 Oct 1961 41.8 AM3
Capillaria plica, Dogs.

5241-68
STUDIES ON RESISTANCE TO DICTYOCAULUS INFECTION. IV. THE RATE OF ACQUISITION OF PROTECTIVE IMMUNITY IN INFECTION OF D. VIVIPARUS.
J F Michel
J Comp Pathol 72(3):281-285, 6 REFS.
Jul 1962 41.8 J82
Calves, Dictyocaulus, Immunity, Immunization.

5242-68
CANINE FILAROIDES OSLERI AND FILAROIDES MILRSI INFECTION.
J H L Mills S W Nielsen
Amer Vet Med Ass J 149(1):56-63, 20 REFS.
Jul 1966 41.8 AM3
Diethylcarbamazine, Dogs, Verminous bronchitis.

5243-68
SPINAL NEMATODIASIS IN SHEEP.
S W Nielson J Aftosmis
Amer Vet Med Ass J 144(2):155-158, 9 REFS.
15 Jan 1964 41.8 AM3
Nematodiasis, Sheep, Spine.

5244-68
HOST-PARASITE RELATIONS IN INITIATION OF INFECTION III. HYPERGLYCEMIA WITHOUT STRESS IN EXPERIMENTAL INFECTION WITH L. MONOCYTOGENES.
O S Nordland
Can J Comp Med Vet Sci 24(3):14-21, 8 REFS.
Mar 1960 41.8 C162
Host-parasite relations, Hyperglycemia.

5245-68
CANINE FILAROIDES OSLERI DIAGNOSED BY ENDOSCOPIC EXAMINATION.
F B Ogilvie D S Folse R B Koger C H Steele
Amer Vet Med Ass J 140(6):574-575
15 Mar 1962 41.8 AM3
Dogs, Endoscopy, Verminous bronchitis.

5246-68
TRICHOPHYTOSIS IN CATTLE AT AGRICULTURAL ESTATES. DISEASE OF THE HERD.
L Ozegovic R Pavlovic
Can J Comp Med Vet Sci 25(8):192
Aug 1961 41.8 C162
Cattle, Formaldehyde, Ringworm.
Veterinaria 10:57, 1961

5247-68
CLINICAL COCCIDIOSIS IN WISCONSIN CATTLE.
D L Peardon M R Hasche A C Todd R E Hall
Amer Vet Med Ass J 139(10):1095-1098, 16 REFS.
15 Nov 1961 41.8 AM3
Cattle, Coccidiosis, Eimeria, Wisconsin.

5248-68
TRIALS OF CANDIDATE BOVINE COCCIDIOSTATS.
D L Peardon F R Bilkovich A C Todd
Amer J Vet Res 24(101):743-747
Jul 1963 41.8 AM3A
Calves, Coccidiosis, Framycetin sulfate, Glycarbylamide, Nitrofurans, Sulfaguanidine, Sulfamethazine, Zoalene.

5249-68
ECHINOCOCCOSIS IN A DRILL BABOON.
R D Powers R A Price R P Houk R H Mattlin
Amer Vet Med Ass J 149(7):902-905, 16 REFS.
Oct 1966 41.8 AM3
Echinococcosis, Monkeys.

5250-68
EIMERIA MAXIMA--PATHOGENICITY AND INCIDENCE IN GEORGIA BROILERS.
W M Reid M R Raja
Amer J Vet Res 24(98):174-178, 15 REFS., 2 TAB.
Jan 1963 41.8 AM3A
Coccidiosis, Plymouth rock chickens.

5251-68
OBSERVATIONS AND RESULTS OF USING AN ORGANIC PHOSPHATE COMPOUND FOR THE TREATMENT OF BOTS AND STRONGYLES IN HORSES.
S J Roberts J Bentinck-Smith
Cornell Vet 52(4):596-598, 3 REFS.
Oct 1962 41.8 C81
Ascaris, Horses, Oestridae, Strongylosis, Trichlorfon.

5252-68
FURTHER OBSERVATIONS ON THE FREE-LIVING STAGES OF OSTERTAGIA OSTERTAGI IN CATTLE.
J H Rose
J Comp Pathol 72(1):11-18, 5 REFS.
Jan 1962 41.8 J82
Cattle, Climate, Feces, Gastroenteritis, Ostertagia.

5253-68
THE MIDSTERNAL APPROACH FOR REMOVAL OF HEARTWORMS BY VENTRICULOTOMY.
E A Rubin F T Brooks
Amer Vet Med Ass J 144(3):237-251, 66 REFS.
01 Feb 1964 41.8 AM3
Dirofilaria immitis, Dogs, Surgery.

5254-68
CANINE THELAZIASIS IN ARIZONA.
A F Schauffler
Amer Vet Med Ass J 149(5):521-522, 14 REFS.
Sep 1966 41.8 AM3
Dogs, Insect vectors, Thelaziasis.

5255-68
CANINE FILARIASIS IN MINNESOTA.
J C Schlotthauer H J Griffiths
Amer Vet Med Ass J 144(9):991-993, 6 REFS.
01 May 1964 41.8 AM3
Dogs, Filariasis.

5256-68
TRANSMISSION OF RESISTANCE TO OVINE OSTERTAGIASIS.
L H Scrivner
Amer Vet Med Ass J 144(9)1024-1027, 3 REFS.
01 May 1964 41.8 AM3
Immunity, Ostertagiasis, Sheep.

5257-68
ELECTRON MICROSCOPY OF CANINE AND EQUINE BABESIA.
C F Simpson C E Bild H E Stoliker
Amer J Vet Res 24(100):408-414, 13 REFS.
May 1963 41.8 AM3A
Dogs, Electron microscopy, Horses, Piroplasmosis.

5258-68
CONTROL OF SOME INTERNAL PARASITES OF CHINCHILLAS.
S Stampa N K Hobson
Amer Vet Med Ass J 149(7):929-932, 9 REFS.
Oct 1966 41.8 AM3
Ascaris, Cestoda, Chinchillas, Ostertagiasis, Sulfamethazine, Trichlorfon.

5259-68
A PRACTICAL SEROLOGIC TEST FOR TRICHINOSIS.
H Suessenguth A H Bauer H Goldstein A M Greenlee
Amer Vet Med Ass J 139(5):574-576, 8 REFS.
01 Sep 1961 41.8 AM3
Diagnostic procedures, Serological tests.

5260-68
CANINE SCHISTOSOMIASIS.
J P Thrasher
Amer Vet Med Ass J 144(10):1119-1125, 9 REFS.
15 May 1964 41.8 AM3
Diarrhea, Dogs, Schistosomiasis.

5261-68
OSTEOGENIC SARCOMA OF THE CANINE ESOPHAGUS ASSOCIATED WITH SPIROCERA LUPI INFECTION.
J P Thrasher H Ichinose H C Pitot
Amer J Vet Res 24(100):808-817, 32 REFS.
Jul 1963 41.8 AM3A
Dogs, Nematodes, Sarcoma.

5262-68
GASTROINTESTINAL NEMATODE INFECTIONS OF LAMBS RAISED IN DRYLOT.
A D Tiwari U S Garrigus T B Stewart N D Levine H W Norton

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B P Doane E E Hatfield
J Anim Sci 22(3):644-647, 8 REFS., 1 TAB.
Aug 1963 49 J82
Haemonchosis, lambs.

5263-68
SHEEP LUNGWORM LARVAE AS A VACCINE AGAINST CATTLE LUNGWORM.
H H Vegors J T Lucker F W Douvres
J Anim Sci 22(3):825
Aug 1963 49 J82
Cattle, Larvae, Sheep, Vaccines, Verminous bronchitis.

5264-68
EFFECTS OF THE STOMACH WORM, HAEMONCHUS CONTORTUS, OF FEEDING LAMBS NATURAL VERSUS SEMIPURIFIED DIETS.
R L Vetter W G Hoekstra A C Todd A L Pope
Amer J Vet Res 24(100):439-445, 8 REFS., 8 TABS.
May 1963 41.8 AM3A
Diet, Haemonchosis, Lambs.

5265-68
AN ECONOMICAL METHOD FOR PRODUCING LAMBS RELATIVELY FREE OF PARASITES.
D F Watson
Amer Vet Med Ass J 140(1):58-60, 3 TABS.
01 Jan 1962 41.8 AM3
Housing, Lambs, Management, Parasites.

5266-68
CHEYLETIELLA PARASITIVORAX PARASITISM IN DOGS.
F A Weitkamp
Amer Vet Med Ass J 144(6):597- 599, 8 REFS.
15 Mar 1964 41.8 AM3
Lindane, Phosphates, Pyrethrum.

5267-68
EFFECT OF COMBINED ARECOLINE HYDROBROMIDE AND N-BUTYL CHLORIDE COMPLEX ON PARASITES OF DOGS.
C J Welter D R Johnson
Amer Vet Med Ass J 140(1):62-64, 7 REFS., 4 TABS.
01 Jan 1962 41.8 AM3
Ancylostomatidae, Arecoline, Ascaris, Dipylidiasis, Dogs, Echinococcosis, Taeniasis.

5268-68
DISOPHENOL, AN INJECTABLE ANTHELMINTIC FOR CANINE HOOKWORMS.
I. B. Wood J A Pankovich W S Wallace R E Thorson
R L Burkhart E Waletzky
Amer Vet Med Ass J 139(10):1101-1105, 6 REFS., 4 TABS.
15 Nov 1961 41.8 AM3
Anthelmintics, Diiodo,2,6-nitrophenol,4-, Disophenol.

5269-68
HELMINTH PARASITES OF DOGS IN SOUTHEASTERN MICHIGAN.
D E Worley
Amer Vet Med Ass J 144(1):42-46, 44 REFS.
01 Jan 1964 41.8 AM3
Dogs, Helminthiasis, Michigan.

5270-68
PARASITISM OF KENNEL PUPPIES WITH THE MITE CHEYLETIELLA PARASITIVORAX.
I Yasgur
Cornell Vet 54:406-407
1964 41.8 C81
Cheyltiella, Dogs, Mites.

5271-68
GASTROINTESTINAL PARASITISM IN IOWA CATTLE.
W J Zimmermann E D Hubbard
Amer Vet Med Ass J 139(5):555-559, 4 REFS.
01 Sep 1961 41.8 AM3
Beef cattle, Helminthiasis, Iowa, Parasitism.

40 COMMODITY PROTECTION

5272-68
EFFICIENT UTILIZATION OF PAULINS IN FUMIGATION AND AS COVERS FOR THE PROTECTION OF STORAGE.
M F Bowen
J Econ Entomol 54(2):270-273
Apr 1961 421 J822
Covers, Fumigation, Storage.

5273-68
THE REACTION OF WHEAT PROTEINS WITH SULPHITE. I. SULPHITOLYSIS OF THE PROTEINS OF FLOUR WITH CUPRAMMONIUM SULPHITE.
E E McDermott J Pace
J Sci Food Agr 16(7):399-408, 24 REFS., 10 TABS.
Jul 1965 382 SO12
Cuprammonium sulfite, Flour, Wheat.

Storage Diseases

5274-68
THE EFFECT OF HEAT IN DRYING ON THE NUTRITIVE VALUE OF WHEAT FOR ANIMAL FEED.
C K Milner J Woodforde
J Sci Food Agr 16(7):369-373, 22 REFS.
Jul 1965 382 SO12
Drying, Feed grains, Food nutritive value, Heat, Wheat.

Arthropods

5275-68
GRAIN PEST INTERCEPTED AT DULLES AIRPORT.
Agr Chem 20(10):102
Oct 1965 381 AG8
Grain, Trogoderma.

5276-68
USDA PROBES BIOLOGICAL CONTROL OF PESTS.
Agr Chem 20(10):99
Oct 1965 381 AG8
Anthrenus, Biological control.

5277-68
CONCRETE-INSECTICIDE MIXTURES TOXIC TO TERMITES.
T C Allen G R Esenther R D Shenefelt
J Econ Entomol 54(5):1055-1056, 2 REFS.
Aug 1961 421 J822
Buildings, Concrete, Dieldrin, Termites.

5278-68
RESIDUES ON ORANGES RESULTING FROM THE USE OF DDT, PARATHION, PHOSDRIN, AND TDE FOR THE CONTROL OF ORANGEWORMS.
E L Atkins Jr R C Blinn T R Fukuto F A Gunther
J Econ Entomol 54(3):455-456, 8 REFS.
Jun 1961 421 J822
Insecticide residues, DDT , Mevinphos, Oranges, Parathion.

5279-68
HORSEMEAT AS FOOD FOR REARING DIPTERA (PHORIDAE AND TABANIDAE).
R L Blickle
Fla Entomol 47(1):29-30, 1 REF., 1 TAB.
Mar 1964 420 F662

Horsemeat, Megaselia, Tabanus.

5280-68
EFFECT OF RESIDUAL AND CONTACT SPRAYS ON THE RESISTANCE OF THE GERMAN COCKROACB TO CHLORDANE.
G S Burden C S Lofgren J B Gahan
Fla Entomol 47(2):109-111, 2 REF., 1 TAB.
Jun 1964 420 F662
Blattella, Chlordane.

5281-68
EFFECTIVENESS OF MALATHION DUST AS A PROTECTANT FOR FARM-STORED CORN IN LOUISIANA.
E H Floyd
J Econ Entomol 54(5):900-904, 9 REFS.
Aug 1961 421 J822
Corn, Louisiana, Malathion, Pyrethrum, Stored products.

5282-68
THE ANGOUMOIS GRAIN MOTB, SITOTROGA CEREALELLA, AND STORAGE FUNGI.
C P Misra C M Christensen A C Bodson
J Econ Entomol 54(5):1032-1033, 4 REFS.
Aug 1961 421 J822
Aspergillus, Fungi, Grain, Sitotroga, Storage.

5283-68
SEED CLEANING AS A SOURCE OF INFESTATION FOR STORED GRAIN.
P House L B Rolston
Kans Entomol Soc J 34(3):141-144, 3 TABS., 1 FIG.
Jul 1961 420 K13
Grain, Oryzaephilus, Rhyzopertha, Seed cleaning, Sitophilus, Stored products, Tribolium.

5284-68
INFLUENCE OF FORMULATION ON THE EFFECTIVENESS OF MALATHION, METHOXYCHLOR, AND SYNERGIZED PYRETHRUM PROTECTIVE SPRAYS FOR STORED WBEAT.
R G Strong D E Sbur R G Arndt
J Econ Entomol 54(3):489-501, 29 REFS.
Jun 1961 421 J822
Malathion, Methoxychlor, Pyrethrum, Wheat.

5285-68
EFFECTIVENESS OF SEVERAL INSECTICIDAL AEROSOLS AGAINST THE JAPANESE BEETLE.
W N Sullivan R A Fulton G D Knipling J C Bainwater
J Econ Entomol 54(5):1059-1060, 8 REFS.
Aug 1961 421 J822
Aerosols, Aircraft disinfestation, Dichlorvos, Dimethoate, DDT , Naled, Popillia, Pyrethrum.

5286-68
EFFECTIVENESS OF LINDANE, MALATHION, METHOXYCHLOR, AND PYRETHRINS-PIPERONYL BUTOXIDE AGAINST THE HAIRY SPIDER BEETLE, PTINUS VILLIGER.
F L Watters
J Econ Entomol 54(2):397, 5 REFS., 1 FIG.
Apr 1961 421 J822
Flour, Lindane, Malathion, Methoxychlor, Piperonyl butoxide, Ptinus, Pyrethrum.

Rodents and Other Pests

5287-68
LAWN AND HOUSEHOLD PESTICIDES ARE DISCUSSED BY CSMA SPEAKERS.
Agr Chem 19(1):21-22
Jan 1964 381 AG8
Blissus leucopterus, DDT , Parathion, Spraying equipment, Stenotaphrum secundatum.

Microbial Contamination

5288-68
SALMONELLA AND OTHER DISEASE-PRODUCING ORGANISMS IN ANIMAL BY-PRODUCTS- A SURVEY.
L G Morehouse E E Wedman
Amer Vet Med Ass J 139(9):989-995, 58 REFS.
01 Nov 1961 41.8 AM3
Animal by-products, Food contamination.

50 ENVIRONMENTAL CONTAMINATION

5289-68
OCCUPATIONAL HEALTH ASPECTS OF PESTICIDE USE ARE REPORTED.
Agr Chem 19(3):72, 132
Mar 1964 381 AG8
Arsenic compounds, Occupational diseases, Pesticides, Phosphates.
California health dept.

5290-68
LONGEVITY OF AMIBEN, ATRAZINE, AND 2,3,6-TBA IN INCUBATED SOILS.
O C Burnside
Weeds 13(3):274-276, 12 REFS., 3 FIGS.
Jul 1965 79.8 W41
Amiben, Atrazine, Soil contamination, TBA, 2,3,6-.

5291-68
INFRARED DETERMINATION OF DDT IN DUSTS.
A B Heagy
Ass Offic Anal Chem J 43(2):342-343
May 1960 381 AS7
DDT , Dust (soil), Infrared rays.

5292-68
COLORIMETRIC METHOD FOR DETERMINATION OF PARATHION.
K Helrich
Ass Offic Anal Chem J 43(2):344-345
May 1960 381 AS7
Colorimetry, Dust (soil), Parathion.

5293-68
RESIDUES AND CHEMOSTERILANTS: ULTIMATE DISTRIBUTION.
E Hindin
Agr Chem 20(10):32
Oct 1965 381 AG8
Aerial spraying, DDT , Ethion.

5294-68
EFFECT OF SOIL CULTIVATION, SOIL SURFACE AND WATER ON THE PERSISTANCE OF INSECTICIDAL RESIDUES IN SOILS.
E P Lichtenstein K R Schulz
J Econ Entomol 54(3):517-522, 10 REFS.
Jun 1961 421 J822
Aldrin, DDT , Evaporation, Insecticide residues, Soils, Water.

5295-68
QUANTITATIVE PAPER CHROMATOGRAPHY OF CHLORINATED INSECTICIDES IN SOILS.
J P San Antonio
Ass Offic Anal Chem J 43(3):721-724, 8 REFS.
Aug 1960 381 AS7
Chromatography, Soil analysis.

55 RESIDUES

5296-68
BAN HEPTACHLOR ON ALFALFA.
Agr Chem 19(5):22
May 1964 381 AG8
Alfalfa, Heptachlor, Pesticide residues.

5297-68
INCREASED BASIC RESEARCH CALLED FOR AT SYMPOSIUM ON PESTICIDE RESIDUES.
Agr Chem 15(5):48-49, 116
May 1960 381 AG8
DDT , Particle size determination, Pesticide residues.

5298-68
WEED CONFERENCE COVERS FATE OF HERBICIDES IN SOILS.
Agr Chem 19(3):64-61, 131-132
Mar 1964 381 AG8
Herbicide residues, Plant nutrition, Soils.

5299-68
EDITORIALS.
Agr Chem 19(5):19,
May 1964 381 AG8
DDT , Fish, Insecticide residues.

5300-68
TO BAN DDT DUSTS AND SPRAYS.
Agr Chem 19(3):118
Mar 1964 381 AG8
DDT , Meat, Pesticide residues.

5301-68
BRITAIN IMPOSES PESTICIDE BAN.
Agr Chem 19(5):21
May 1964 381 AG8
Aldrin, Dieldrin, Dipping, DDT , Fertilizers.

5302-68
NEWER INSECTICIDES AND HERBICIDES ARE COVERED IN CUSTOM SPRAY SCHOOL.
Agr Chem 19(3):79
Mar 1964 381 AG8
Adsorption, Decomposition, Herbicides, Volatile substances.

5303-68
U.S.D.A. HOLDS HEARINGS ON ENDRIN AND DIELDRIN.
Agr Chem 19(5):21-22
May 1964 381 AG8
Dieldrin, Endrin, Fish.

5304-68
CALLS FOR BAN ON BROAD SPECTRUM INSECTICIDES.
Agr Chem 19(5):20-21
May 1964 381 AG8
Dieldrin, DDT , Endrin, Fish.

5305-68
CATFISH VS. INSECTICIDES.
Agr Chem 19(5):20
May 1964 381 AG8
Endrin, Fish, Pesticide residues, Public health, Shrimps.

5306-68
MAGNITUDE AND NATURE OF RESIDUES IN TISSUES AND EGGS OF POULTRY RECEIVING RUELENE IN THE FEED.
J R Buttram B W Arthur
J Econ Entomol 54(3):456-460, 11 REFS., 6 TABS.
Jun 1961 421 J822
Butyl-2-chlorophenyl methyl methylphosphoramidate, 4-tert-, Chickens, Eggs, Insecticide residues, Ruelene.

5307-68
A PLANT SURFACE OXIDATION PRODUCT OF ENDOSULFAN.
C C Cassil P E Drummond
J Econ Entomol 58(2):356-357, 2 FIGS.
Apr 1965 421 J822
Alfalfa, Celery, Endosulfan, Endosulfan sulfate, Insecticide residues, Oxidation, Spinach.

5308-68
SPECTROPHOTCMETRIC DETERMINATION OF DITHIOCARBAMATE RESIDUES CN FOOD CROPS.
T E Cullen
Anal Chem 36(1):221-224, 17 REFS., 1 TAB., 5 FIGS.
Jan 1964 381 J825A
Apples, Cabbage, Cherries, Ferbam, Maneb, Potatoes, Thiram, Tomatoes, Zineb, Ziram.

5309-68
HEPTACHLOR AND HEPTACHLOR EPOXIDE RESIDUES IN TRUCK CROPS.
L H Dawsey D W Woodham C S Lofgren
J Econ Entomol 54(6):1264-1265, 2 REFS.
Dec 1961 421 J822
Heptachlor, Heptachlor epoxide, Insecticide residues, Vegetables.

5310-68
CORNELL PESTICIDE TEAM TO STUDY CHANGES IN PESTICIDES.
J E Dawson M Alexander M J Wright L D Linscott
Agr Chem 19(3):118
Mar 1964 381 AG8
Pesticide residues, Plants.

5311-68
CHEMICAL AND BIOLOGICAL ASSAYS OF LINDANE RESIDUES ON ALFALFA.
H L France R E Treece G W Ware
J Econ Entomol 54(4):642-643, 10 REFS.
Aug 1961 421 J822
Alfalfa, Biological assay, Lindane, Red clover, Residues.

5312-68
THE PERSISTANCE OF ALDRIN, DIELDRIN, AND ENDRIN RESIDUES ON FRESH FORAGE AND ON HAY UNDER VARIOUS CONDITIONS OF CURING.
G G Gyrisco E W Huddleston
J Econ Entomol 54(4):718-720, 10 REFS.
Aug 1961 421 J822
Aldrin, Alfalfa, Curing, Dieldrin, Endrin, Grasses, Hay.

5313-68
FACTORS AFFECTING THE VOLATILIZATION OF INSECTICIDAL RESIDUES FROM SOILS.
C R Harris E P Lichtenstein
J Econ Entomol 54(5):1038-1045, 24 REFS., 8 FIGS.
Aug 1961 421 J822
Aldrin, Dieldrin, Drosophila melanogaster, Heptachlor, Insecticide residues, Lindane, Musca domestica, Phorate, Soils, Volatile substances.

5314-68
REPORT ON ANALYTICAL METHODS FOR PESTICIDES.
H H Harris
Ass Offic Anal Chem J 43(2):340-342
May 1960 381 AS7
Assay, Pesticides.

5315-68
PERSISTENCE OF PHYTOTOXIC RESIDUES OF TRIAZINE HERBICIDES IN SOIL.
K Holly H A Roberts
Weed Res 3(1):1-10, 5 FIGS.
Mar 1963 79.8 W412
Triazine.

5316-68
LINDANE RESIDUES IN CHICKENS AND EGGS FOLLOWING POULTRY HOUSE SPRAYS.
M C Ivey R H Roberts H D Mann H V Claborn
J Econ Entomol 54(3):487-488, 2 REFS.
Jun 1961 421 J822
Chicks, Eggs, Lindane, Poultry houses.

5317-68
ENDRIN RESIDUES ON CORN STOVER IN RELATION TO DAIRY CATTLE FEEDING.
R E Johnsen P A Dahm M L Fairchild
J Econ Entomol 54(2):398, 4 REFS.
Apr 1961 421 J822
Corn, Dairy cattle, Endrin, Insecticide residues.

5318-68
THE EFFECT OF CONTROLLED TEMPERATURE AND HUMIDITY ON THE RESIDUAL LIFE OF CERTAIN INSECTICIDES.
G S Kalkat R H Davidson C L Brass
J Econ Entomol 54(6):1186-1190, 16 REFS., 12 FIGS.
Dec 1961 421 J822
Aldrin, Diazinon, Heptachlor, Heptachlor epoxide, Humidity, Insecticide residues, Malathion, Parathion, Temperature.

5319-68
DETERMINATION OF DDT IN LEAFY VEGETABLES.
A K Klein
Ass Offic Anal Chem J 43(3):703-706
Aug 1960 381 AS7
DDT , Vegetables.

5320-68
ENDRIN RESIDUES IN THE FAT OF LAMBS GRAZED ON ENDRIN-TREATED PASTURE.
W H Long L D Newsom A M Mullins
J Econ Entomol 54(3):605-606, 1 REF.
Jun 1961 421 J822
Endrin, Fats, Lambs, Residues.

5321-68
IDENTIFICATION OF PESTICIDE RESIDUES IN EXTRACTS OF FRUITS, VEGETABLES, AND ANIMAL FATS: II. RAPID QUALITATIVE CHEMICAL TESTS FOR CAPTAN AND METHOXYCHLOR.
W P McKinley S I Graham
Ass Offic Anal Chem J 43(1):89-91, 6 REFS.
Feb 1960 381 AS7
Biological assay, Captan, Fats, Fruits, Methoxychlor, Vegetables.

5322-68
PAPER CHROMATOGRAPHIC IDENTIFICATION OF THIOUREA IN EXTRACTS CF ORANGES.
W P McKinley R Yasin
Ass Offic Anal Chem J 43(4)829-830 5 REFS.
Nov 1960 381 AS7
Chromatography, Oranges, Thiourea.

5323-68
DRIFT SAMPLING METHOD TCLD CAAA. .
E J Meier
Agr Chem 15(3):66-67, 114-116
Mar 1960 381 AG8
Dicofol, DDT , Pesticide residues.

5324-68
DETERMINATION OF PIPERONYL BUTOXIDE IN WHEAT.
W H Munday
Ass Offic Anal Chem J 43(3):707-709, 7 REFS
Aug 1960 381 AS7
Piperonyl butoxide, Wheat.

5325-68
RESIDUES FROM 1-BROMOCHLORDENE AGAINST EUROPEAN CORN BORER ON CORN.
R T Murphy J E Fahey R D Jackson
J Econ Entomol 58(2):371-372, 3 TABS.
Apr 1965 421 J822
Bromo-4,5,6,7,8,8-hexachloro-3a,4,7,7a-tetrahydro-4,7-, Bromochlordene, 1-, Corn, Heptachlor, Insecticide residues, Methanoindan, 1-, Pyrausta.

5326-68
EFFECT OF METHOD OF APPLICATION ON UPTAKE OF DI-SYSTON BY THE COTTON PLANT.
R L Ridgway D A Lindquist D L Bull
J Econ Entomol 58(2):349-352, 9 REFS., 5 TABS.
Apr 1965 421 J822
Cotton, Plant translocation, Radioactive tracers, Soil contamination,
O,O-diethyl S-(2)(ethylthio)ethyl) phosphorodithioate.

5327-68
THE EFFECT OF SIMAZINE ON NITROGENOUS COMPONENTS OF CORN.
S K Ries A Gast
Weeds 13(3):272-274, 11 REFS.
Jul 1965 79.8 W41
Chloro-4,6-bis(ethylamino)-s-triazine, 2-, Corn, Nitrogen, Simazine.

5328-68
RESIDUES IN THE MILK OF DAIRY COWS SPRAYED WITH P32-LABELED GENEBAL CHEMICAL 4072.
R H Roberts R D Radeleff H V Claborn
J Econ Entomol 54(5):1053-1054, 1 REF.
Aug 1961 421 J822
Dairy cattle, Milk, Residues.

5329-68
THE SAFE HANDLING OF PESTICIDES.
R Z Rollins
Agr Chem 15(3):63, 119
Mar 1960 381 AG8
Pesticide application, Pesticide residues, 2,4-D.

55 5330-68

5330-68
A DIRECT FEEDING METHOD FOR BIOASSAY OF INSECTICIDE RESIDUE IN SOIL WITH DROSOPHILA.
P R Sferra
J Econ Entomol 54(4):822-824, 18 REFS.
Aug 1961 421 J822
Biological assay, Containers, Drosophila, Residues, Soils.

5331-68
DIELDRIN RESIDUE ON VEGETATION IN AN IRRIGATED PASTURE.
J V Smith J C Street G R Schultz L E Harris
J Econ Entomol 54(6):1091-1096, 13 REFS., 4 FIGS.
Dec 1961 421 J822
Dieldrin, Insecticide residues, Pastures, Vegetation.

5332-68
RESIDUES IN THE MILK OF COWS ORALLY ADMINISTERED A MIXTURE OF HEPTACHLOR AND HEPTACHLOR EPOXIDE.
R W Storherr J F Tighe J W Sykes
Ass Offic Anal Chem J 43(3):731-735, 13 REFS
Aug 1960 381 AS7
Heptachlor, Heptachlor epoxide, Milk.

5333-68
EXTRACTION OF MILK FOR DDT DETERMINATION: ONE-DAY COMPLETE METHOD.
R W Storherr P A Mills
Ass Offic Anal Chem J 43(1):81-82
Feb 1960 381 AS7
DDT , Milk analysis.

5334-68
TECHNIQUE FOR A HOUSEFLY BIOASSAY FOR PESTICIDES.
J F Tighe
Ass Offic Anal Chem J 43(1):82-87, 3REFS
Feb 1960 381 AS7
Insecticides, Musca domestica.

5335-68
OHIO HEALTH OFFICIAL DEFENDS SAFE USE OF PESTICIDES.
J C Totten
Agr Chem 19(4):32, 133-134
Apr 1964 381 AG8
Pesticides, Public health.

5336-68
LINDANE RESIDUES ON ALFALFA AND IN MILK.
E E Treece G W Ware
J Econ Entomol 58(2):218-219
Apr 1965 421 J822
Alfalfa, Cattle, Cecopidae, Lactation, Lindane, Milk.

5337-68
LINDANE IN EGGS AND CHICKEN TISSUES.
G W Ware E C Naber
J Econ Entomol 54(4):675-677, 14 REFS.
Aug 1961 421 J822
Chicks, Eggs, Lindane, Residues, Tissues.

5338-68
BHC CONTAMINATION OF CHICKEN EGGS FROM TREATED LITTER.
G W Ware
J Econ Entomol 54(4):802-803, 6 REFS.
Aug 1961 421 J822
Benzene hexachloride, Chicks, Eggs, Food contamination, Residues.

5339-68
RUTGERS TO INVESTIGATE PESTICIDES.
W R Wilson
Agr Chem 19(3)121
Mar 1964 381 AG8
Fish, Insects, Pesticide residues, Plants, Soils, Water.

5340-68
DETERMINATION OF SABADILLA ALKALOIDS.
T Woodward
Ass Offic Anal Chem J 43(2):374-375
May 1960 381 AS7
Alkaloids, Sabadilla, Schoenocaulon officinalis, Seeds.

60 TOXICOLOGY

5341-68
SALT POISONING IN WISCONSIN WILDLIFE.
Can J Comp Med Vet Sci 24(3):42
Mar 1960 41.8 C162
Sodium chloride, Wildlife, Wisconsin.

5342-68
FOOD POISONING IN ENGLAND AND WALES.
Can J Comp Med Vet Sci 24(1):15
Jan 1960 41.8 C162
England, Food poisoning, Salmonella bacterins, Wales.

5343-68
THE ISOLATION OF THE RABIES VIRUS FROM INSECTIVOROUS BATS IN BRITISH COLUMBIA.
R J Avery J M Tailyour
Can J Comp Med Vet Sci 24(5):143-146, 7 REFS.
May 1960 41.8 C162
Bats, British Columbia, Rabies virus.

5344-68
BRUCELLA TUBE-AGGLUTINATION TITERS RESULTING FROM THE USE OF SYRINGES CONTAINING VIABLE STRAIN 19 VACCINE.
C C Beck D J Ellis G J Fichtner E R Laiho G L Whitehead
Amer Vet Med Ass J 144(6):620-625, 23 REFS., 3 TABS.
15 Mar 1964 41.8 AM3
Brucella abortus, Brucella abortus vaccines, Sanitation, Syringes.

5345-68
EXPERIMENTAL LATHYRISM IN AYLESBURY DUCKLINGS.
J M Cameron
J Comp Pathol 72(3):245-246, 9 REFS.
Jul 1962 41.8 J82
Ducklings, Lathyrism, Nerves, Paralysis, Semicarbazide, Spinal cord.

5346-68
THE METABOLISM OF P32-LABELED DIMETHOATE IN SHEEP.
W F Chamberlain P E Gatterdam D E Hopkins
J Econ Entomol 54(4):733-740, 22 REFS.
Aug 1961 421 J822
Dimethoate, Metabolism, P32-labeled dimethoate, Residues, Sheep.

5347-68
RABIES IN PIGLETS.
A H Corner M Beauregard H K Mitchell
Can J Comp Med Vet Sci 24(12):364-365
Dec 1960 41.8 C162
Baby pigs, Rabies.

5348-68
A RAPID METHOD FOR THE DETERMINATION OF SELENIUM IN BIOLOGICAL MATERIAL.
L M Cummins J L Martin G W Maag D D Maag
Anal Chem 36(2):382-384, 9 REFS., 2 TABS., 1 FIG.
Feb 1964 381 J825A
Digestion, Selenium, Selenium poisoning, Sheep.

5349-68
PRE-EXPOSURE RABIES IMMUNIZATION IN MAN USING DUCK-EMBRYO VACCINE.
W H Dieterich D F Shelton E P Jenevein Jr
Amer Vet Med Ass J 139(9):999-1004, 29 REFS., 3 TABS.
01 Nov 1961 41.8 AM3
Duck-embryo vaccine, Immunization, Preventive medicine, Rabies.

5350-68
SYSTEMIC AND CONTACT INSECTICIDAL EFFECTIVENESS OF SELECTED CHEMICALS ADMINISTERED ORALLY OR DERMALLY TO RABBITS.
H W Dorough B W Arthur
J Econ Entomol 54(5):993-996, 14 REFS.
Aug 1961 421 J822
Amblyomma, Bidrin, Butonate, Carbaryl, Penthion, Phosphamidon, Rabbits.

5351-68
A METHOD AND RESULTS OF SCREENING INSECTICIDES AGAINST ADULT HIPPELATES EYE GNATS.
G P Georghiou M S Mulla
J Econ Entomol 54(2):264-267
Apr 1961 421 J822
Chloropidae, Dicapthon, Insecticide resistant insects, Parathion, Ronnel.

5352-68
TOXICOLOGY OF INSECTICIDES.
W J Hayes Jr
Agr Chem 19(3):20-23, 139-140
Mar 1964 381 AG8
Arsenic, Nicotine, Parathion, Pesticides, Phosphorus, Thallium, Toxicology.

5353-68
EFFECT OF ETHYLENE DIBROMIDE IN THE DIET ON THE GROWTH OF CHICKS.
G K Morris H L Fuller
Poultry Sci 42(1):15-20, 9 REFS.
Jan 1963 47.8 AM33P
Chicks, Ethylene dibromide.

5354-68
TOXICOLOGIC EFFECTS OF SILVEX ON YEARLING CATTLE.
J S Palmer D E Clark L M Hunt
Amer Vet Med Ass J 144(7)750-755, 8 REFS., 2 TABS.
01 Apr 1964 41.8 AM3
Brahman cattle, Herbicides, Poisoning, 2-(2,4,5-trichlorophenoxy) propionic acid.

5355-68
EVALUATION OF RABIES VACCINES OF CHICK EMBRYO ORIGIN.
C E Phillips
Amer Vet Med Ass J 144(3):276-280, 4 REFS. 4 TABS.
01 Feb 1964 41.8 AM3
Chick embryos, Guinea pigs, Rabies virus, Viral vaccines.

5356-68
TOXICITY STUDIES OF GENERAL CHEMICAL 4072 AND TWO RELATED COMPOUNDS TO CATTLE.
R D Radeleff L M Hunt C P Weidenbach
J Econ Entomol 54(5):1050-1051, 3 REFS.
Aug 1961 421 J822
Cattle,
Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, 2-, General Chemical 4072, Toxicology.

5357-68
THE USE OF THE COMPLEMENT-FIXATION TEST IN THE STUDY AND DIAGNOSIS OF VIRAL DISEASES IN MAN AND ANIMALS-A REVIEW. PART III. VESICULAR VIRUSES.
C E Rice
Can J Comp Med Vet Sci 24(8):238-240, 47 REFS.
Aug 1960 41.8 C162
Complement fixation, Herpes simplex, Vesicular viruses.

5358-68
THE USE OF THE COMPLEMENT-FIXATION TEST IN THE STUDY AND DIAGNOSIS OF VIRAL DISEASES IN MAN AND ANIMALS-A REVIEW. PART II: THE POX VIRUSES.
C E Rice
Can J Comp Med Vet Sci 24(5):154-157, 49 REFS.
May 1960 41.8 C162
Complement fixation, Poxviruses, Variola-like viruses.

5359-68
THE USE OF COMPLEMENT-FIXATION TESTS IN THE STUDY AND DIAGNOSIS OF VIRAL DISEASES IN MAN AND ANIMALS-A REVIEW, PART IV. SOME NEUROTROPIC VIRUSES.
C E Rice
Can J Comp Med Vet Sci 24(10):301-305, 47 REFS.
Oct 1960 41.8 C162
Complement fixation, Neurotropic viruses.

5360-68
DETERMINATIONS OF PHYTOTOXICITY USING CONTINUOUS INFRARED C02 ANALYSIS.
J M Riedhart
Agr Chem 19(3):26, 137-138
Mar 1964 381 AG8
Carbon dioxide, Fungicides, Infrared rays, Insecticides, Photosynthesis, Plant injuries.

5361-68
STACHYBOTRIOTOXICOSIS OF CHICKS.
G Schumaier H M DeVolt N C Laffer R D Creek
Poultry Sci 42(1):70-74, 11 REFS.
Jan 1963 47.8 AM33P
Chicks, Stachybotrys.

5362-68
VIABILITY OF LOW-EGG PASSAGE, MODIFIED LIVE-VIRUS RABIES VACCINE FOLLOWING THREE AND FIVE YEARS OF STORAGE.
O A Soave
Amer Vet Med Ass J 144(4):387-388
15 Feb 1964 41.8 AM3
Lyophilization, Rabies virus, Storage, Viral vaccines.

5363-68
THE RENAL EXCRETION OF SOME SULPHONAMIDES IN THE FOWL.
A H Sykes
J Comp Pathol 72(2):149-152, 6 REFS.
Apr 1962 41.8 J82
Chickens, Kidneys, Sulfaquinoxaline, Sulfonamides, Thiasolucin, Uric acid.

5364-68
THALLOTOXICOSIS.
J E Willson
Amer Vet Med Ass J 139(10):1116-1119, 33 REFS.
15 Nov 1961 41.8 AM3
Poisoning, Thallium, Thallotoxicosis.

65 PLANT PHYSIOLOGY & BIOCHEMISTRY

5365-68
DUTCH ELM STUDIES.
Agr Chem 19(3):102
Mar 1964 381 AG8
Dieback (ulmus), Fungicides.

5366-68
INHIBITION OF SOYA LIPOXIDASE.
J A Blain G Shearer
J Sci Food Agr 16(7):373-378, 14 REFS.
Jul 1965 382 SO12
Lipoxidase, NDGA , Nordihydroguaiaretic acid,
Polyacetylenic fatty acids.

5367-68
SOME EFFECTS OF TOXAPHENE-DDT AND CALCIUM ARSENATE ON GROWTH AND DEVELOPMENT OF COTTON.
L C Brown C Lincoln R E Frans H A Waddle
J Econ Entomol 54(2)309-311
Apr 1961 421 J822
Calcium arsenate, Cotton, DDT , Plant dwarfing, Toxaphene.

5368-68
FLUORESCENT DYE TECHNIQUE FOR STUDYING DISTRIBUTION OF SPRAY OIL DEPOSIT ON CITRUS.
H A Dean E L Wilson J C Bailey L A Riehl
J Econ Entomol 54(2):333-340, 8 REFS., 5 FIGS.
Apr 1961 421 J822
Citrus, Drying oils, Fluorescent dyes, Plant protection.

5369-68
EFFECT OF INHIBITORS AND HERBICIDES ON TRICARBOXYLIC ACID CYCLE SUBSTRATE OXIDATION BY ISOLATED CUCUMBER MITOCHONDRIA.
C L Foy D Penner
Weeds 13(3):226-231, 28 REFS., 4 TABS., 4 FIGS.
Jul 1965 79.8 W41
Amiben, Amino-3,5,6-trichloropicolinic acid, 4-, Cucumbers, Dicamba, Dichlobenil, Dichlorobenzonitrile, 2,6-, Diiodo-4-hydroxybenzonitrile, 2,5-, Dinoben, Ioxynil, Methoxy-3,5,6-trichlorobenzoic acid, 2-, Mitochondria, Nitro-2,5-dichlorobenzoic acid, 3-, Phosphorylation, Picloram, Plant metabolism, Plant respiration, TBA, 2,3,6-, Tricamba, Tricarboxylic acid cycle, Trichlorobenzoic acid, 2,3,6-.

5370-68
TOXICITY OF VARIOUS OILS TO THE PECAN SCAB FUNGUS IN CULTURE.
P Miller
Agr Chem 19(1):73, 98
Jan 1964 381 AG8
Apples, Cassia oil, Clove oil, Dicofol, Eugenol, Pecan scab fungus, Soil sterilization, Thyme oil.

5371-68
ABSORPTION AND TRANSLOCATION OF DI-SYSTON BY COTTON PLANTS.
C H Tsao E W Clark
J Econ Entomol 54(6):1228-1229, 5 REFS.
Dec 1961 421 J822
Absorption (biological), Di-Syston, Disulfoton, O,O-diethyl S-c2-(ethylthio)ethyl) phosphorodithioate, Plant translocation.

70 CHEMISTRY

5372-68
DETERMINATION OF ELEMENTAL SULFUR IN PESTICIDE FORMULATIONS.
H Beckman J F Fudge
Ass Offic Anal Chem J 43(2):372-374, 2 REFS.
May 1960 381 AS7
Pesticides, Sulfur.

5373-68
VOLATILITY OF ESTER FORMS OF HORMONE TYPE HERBICIDES. III. .
E P Carter
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Rotenone, Spectrophotometry.

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E J Bond F Call
J Econ Entomol 54(4):808-809, 1 REF
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Agricultural mechanics, Equipment, Pesticide application.

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Arthropoda, Light traps, Pectinophora gossypiella, Predaceous insects, Scavengers.

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D A Davis
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E J Dietrick
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C W Fatzinger M T Proveaux
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R T Gast
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Animal nutrition, Blood, Culicoides, Sheep.

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D L McLean M G Kinsey
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H R Moody
Agr Chem 15(4):45-47
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Engineering, Processing.

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M Muthu
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R Schopp B J Landis
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Insecticides, Vaporizer.

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California, Costs, Diptera, Insect control, Poultry houses.

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Agr Chem 20(10):63,66,68
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Regulations

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Agr Chem 20(10):84
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Chlorinated hydrocarbons, Legislation, Root crops.

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